# Pioneer sound.vision.soul

# Service Manual

ORDER NO. CRT4143

**DVD MULTIMEDIA AV NAVIGATION SERVER** 

# AVIC-N5/XU/UC DVD MULTIMEDIA AV NAVIGATION HEAD UNIT AVIC-X3I/XU/EW5





















is a trademark of DVD Format/Logo Licensing Corporation.

This service manual should be used together with the following manual(s) listed below. For the parts numbers, adjustments, etc. which are not shown in this manual, refer to the following manual(s).

Model No.	Order No.	Mech. Module	Remarks
AVIC-N4/XU/UC	CRT3971		
CX-3212	CRT3896	MS5	DVD Mech. Module : Circuit Descriptions, Mech. Descriptions, Disassembly

## This product has the unit part number as below.

Unit Part No.	Description
CPN2830	Navigation Unit (AVIC-N5/XU/UC)
CPN2832	H/A Unit (AVIC-N5/XU/UC)
CPN2831	Navigation Unit (AVIC-X3II/XU/EW5)
CPN2837	H/A Unit (AVIC-X3II/XU/EW5)

<sup>\*)</sup> The unit part numbers listed above are not for the service components.

## **SAFETY INFORMATION**

## **WARNING**

This product contains certain electrical parts contain chemicals which are known to the State of California to cause cancer, birth defects or other reproductive harm.

Health & Safety Code Section 25249.6 - Proposition 65

This product contains mercury. Disposal of this material may be regulated due to environmental considerations.

For disposal or recycling information, please contact your local authorities or the Electronics Industries
Alliance: www.eiae.org.

The backlighting lamp of LCD in this equipment contains mercury. Disposal of this material may be regulated due to environmental considerations according to Local, State or Federal Laws. For disposal or recycling information, please contact your local authorities or the Electronics Industries Alliance: www.eiae.org

# EXPLODED VIEWS AND PARTS LIST PACKING(UC)(Page 150)

PACKING(UC) SECTION PARTS LIST

\*: Non spare part

Mark	No.	Description	AVIC-N4/XU/UC	AVIC-N5/XU/UC
	2	Unit Box	CHG6243	CHG6576
	3	Contain Box	CHL6243	CHL6576
	36	DVD-ROM	CPJ1184	CPJ1255
	38-2	Owner's Manual	CRB2449	CRB2738(English)
	38-3	Owner's Manual/POC/FRE	CRB2450	CRB2739(French)
	38-4	Owner's Manual	CRB2451	CRB2740(English)
	38-5	Owner's Manual/POC/FRE	CRB2452	CRB2741(French)
	38-6	Installation Manual	CRD4241	CRD4341

# PACKING(EW5)(Page 152) PACKING(EW5) SECTION PARTS LIST

Mark	No.	Description	AVIC-X3/XU/EW5	AVIC-X3II/XU/EW5
	2	Unit Box	CHG6242	CHG6575
	3	Contain Box	CHL6242	CHL6575
	36	DVD-ROM	Not used	CPJ1256
	38-2	Owner's Manual/PEE/ENG	CRB2453	CRB2742(English)
	38-3	Owner's Manual/PEE/SPE	CRB2454	CRB2743(Spanish)
	38-4	Owner's Manual/PEE/GER	CRB2455	CRB2744(German)
	38-5	Owner's Manual/PEE/FRE	CRB2456	CRB2745(French)
	38-6	Owner's Manual/PEE/ITA	CRB2457	CRB2746(Italian)
	38-7	Owner's Manual/PEE/DUT	CRB2458	CRB2747(Dutch)
	38-8	Owner's Manual/PEE/ENG	CRB2459	CRB2748(English)
	38-9	Owner's Manual/PEE/SPE	CRB2460	CRB2749(Spanish)
	38-10	Owner's Manual/PEE/GER	CRB2461	CRB2750(German)
	38-11	Owner's Manual/PEE/FRE	CRB2462	CRB2751(French)
	38-12	Owner's Manual/PEE/ITA	CRB2463	CRB2752(Italian)
	38-13	Owner's Manual/PEE/DUT	CRB2464	CRB2753(Dutch)
	38-14	Installation Manual	CRD4242	CRD4342
*	38-16	Caution Card	CRP1362	Not used

AVIC-N5/XU/UC

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# EXTERIOR(1)(Page 154) EXTERIOR(1) SECTION PARTS LIST

Mark	No.	Description	AVIC-N4/XU/UC	AVIC-N5/XU/UC
	16	Case	CNB3412	CNB3528
	65	Grille Assy	CXC7367	CXC9837
	74	Plate	CNS9023	CNS9561
	104	Mother Tuner Unit	CWN2310	CWN3657

Mark	No.	Description	AVIC-X3/XU/EW5	AVIC-X3II/XU/EW5
	16	Case	CNB3412	CNB3528
	65	Grille Assy	CXC7368	CXC9838
	74	Plate	CNS9024	CNS9562
	104	Mother Unit	CWN2311	CWN3658(Mother Tuner Unit)

## EXTERIOR(2)(Page 156) EXTERIOR(2) SECTION PARTS LIST

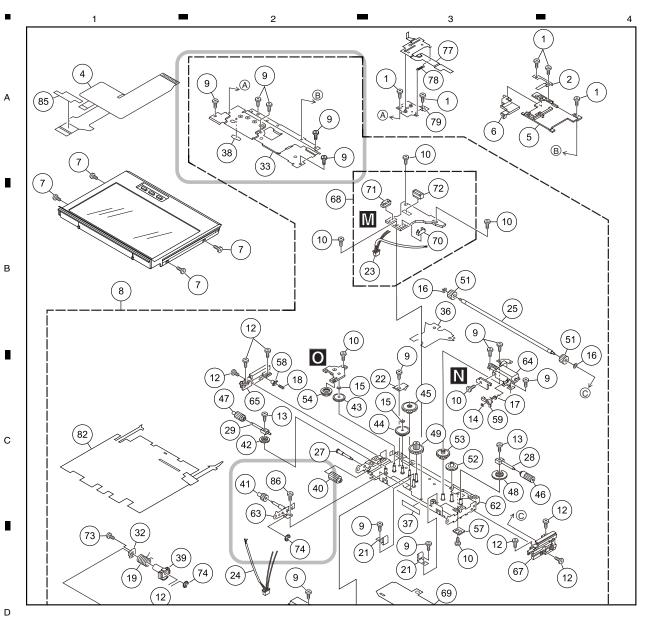
Mark	No.	Description	AVIC-N4/XU/UC AVIC-X3/XU/EW5	AVIC-N5/XU/UC AVIC-X3II/XU/EW5
	8	Drive Unit	CXC7637	CXC9160
	9	Screw(M2 x 2)	CBA1608(x8)	CBA2129(x12)
	12	Screw(M2 x 3)	CBA1877(x13)	CBA1877(x8)
	19	Spring	CBH2908	CBH3007
	20	Spring	CBH2909	CBH3004
			01.4.4000	01.4.400.4
	28	Shaft	CLA4663	CLA4821
	29	Shaft	CLA4664	CLA4814
	36	Insulator	CNN1058	CNN2168
	54	Gear	CNV8987	CNW1055
	62	Frame Unit	CXC6143	CXC9184
	68	Main PCB Unit(Service)	CXX2316	* EWX1005(Main PCB Unit)
	86	Screw(M2 x 2)	Not used	CBA1955

AVIC-N5/XU/UC

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## EXTERIOR(4)(Page 162) EXTERIOR(4) SECTION PARTS LIST

Mark	No.	Description	AVIC-N4/XU/UC	AVIC-N5/XU/UC
	7	Case	CNB3408	CNB3526
	10	Mother Tuner Unit	CWN2310	CWN3657

Mark	No.	Description	AVIC-X3/XU/EW5	AVIC-X3II/XU/EW5
	7	Case	CNB3409	CNB3527
	10	Mother Unit	CWN2311	CWN3658(Mother Tuner Unit)
	37	FM/AM Tuner Unit	CWE2045	CWE2130

## **ELECTRICAL PARTS LIST(Page 264)**

## **MOTHER TUNER UNIT**

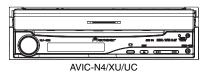
Circuit Symbol and No.	Part Name	AVIC-N4/XU/UC AVIC-X3/XU/EW5	AVIC-N5/XU/UC AVIC-X3II/XU/EW5
IC1606	IC(UC)	PEG355A	PEG503A8
IC1606	IC(EW5)	PEG354A	PEG502A8
ZNR1401	Surge Protector	RCCA-201Q31UA-PI	CSA30-201N

AVIC-N5/XU/UC

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ORDER NO. CRT3971

**DVD MULTIMEDIA AV NAVIGATION SERVER** 

# AVIC-N4/XU/UC DVD MULTIMEDIA AV NAVIGATION HEAD UNIT AVIC-X3/XU/EW5

## This service manual should be used together with the following manual(s):

Model No.	Order No.	Mech.Module	Remarks
CX-3212	CRT3896	MS5	DVD Mech. Module : Circuit Descriptions, Mech. Descriptions, Disassembly

Manufactured under license from Dolby Laboratories. "Dolby" and the double-D symbol are trademarks of Dolby Laboratories.

## This product has the unit part number as below.

Unit Part No.	Description
	Navigation Unit(AVIC-N4/XU/UC)
	H/A Unit(AVIC-N4/XU/UC)
CPN2376	Navigation Unit(AVIC-X3/XU/EW5)
CPN2378	H/A Unit(AVIC-X3/XU/EW5)

<sup>\*)</sup> The unit part numbers listed above are not for the service components.



PIONEER CORPORATION 4-1, Meguro 1-chome, Meguro-ku, Tokyo 153-8654, Japan PIONEER ELECTRONICS (USA) INC. P.O. Box 1760, Long Beach, CA 90801-1760, U.S.A. PIONEER EUROPE NV Haven 1087, Keetberglaan 1, 9120 Melsele, Belgium PIONEER ELECTRONICS ASIACENTRE PTE. LTD. 253 Alexandra Road, #04-01, Singapore 159936 © PIONEER CORPORATION 2007

## **SAFETY INFORMATION**

## **CAUTION**

This service manual is intended for qualified service technicians; it is not meant for the casual do-it-yourselfer. Qualified technicians have the necessary test equipment and tools, and have been trained to properly and safely repair complex products such as those covered by this manual.

Improperly performed repairs can adversely affect the safety and reliability of the product and may void the warranty. If you are not qualified to perform the repair of this product properly and safely, you should not risk trying to do so and refer the repair to a qualified service technician.

## **WARNING**

This product contains lead in solder and certain electrical parts contain chemicals which are known to the state of California to cause cancer, birth defects or other reproductive harm.

Health & Safety Code Section 25249.6 - Proposition 65

This product contains mercury. Disposal of this material may be regulated due to environmental considerations. For disposal or recycling information, please contact your local authorities or the Electronics Industries Alliance: www.eiae.org.

The backlighting lamp of LCD in this equipment contains mercury. Disposal of this material may be regulated due to environmental considerations according to Local, State or Federal Laws. For disposal or recycling information, please contact your local authorities or the Electronics Industries Alliance: www.eiae.org

- 1. Safety Precautions for those who Service this Unit.
- Follow the adjustment steps in the service manual when servicing this unit. When check ing or adjusting the emitting power of the laser diode exercise caution in order to get safe, reliable results.

### Caution:

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- 1. During repair or tests, minimum distance of 13 cm from the focus lens must be kept.
- 2. During repair or tests, do not view laser beam for 10 seconds or longer.
- 2. The triangular label is attached to the mechanism unit frame.

## CAUTION

This product contains a laser diode of higher class than 1. To ensure continued safety, do not remove any covers or attempt to gain access to the inside of the product.

Refer all servicing to qualified personnel.

The following caution label appears on your unit.

On the top of the player.

CAUTION: CLASS 3" VISI"LE AND INVISIBLE LASER RADIATION WHEN OPEN, ANDID EXPOSURE TO THE "EAM.

VORSICHT: "BE GENTRIFTE" A "DECKUNS IST SICHT" ARE UND UNSICHTBARE LASERSTRAFLUNG DER KLASSE 3" IM GENATIENNEERN VO"H'A NOEN. AUGENTRAFLUNG DER KLASSE 3" SYNLIG GU SENSTRAFLUNGSETZEN!

ADVARSEL: UNGAG AUGSETTBAF BEFOR ST" AUNG.

VARNING: KLASSE 3" SYNLIG GU SENSTRAFLUNG VED A"NING.

VARNING: KLASS 3" SYNLIG GO HOSVILIG LASERSTRAFLINNO N'AR DENNA DEL.

AR OPPHAD. UNDWIKT ATT UTS "ATTO IS PER STRAFLIN.

VAROI: 3" L'ASERS TEILLUE L'A KATSIO SATESSEN.

ATTENTION: RADIATIONS LASE" VISI"LES ET INVISI"LES DE CLASSE 3" GUAND

CANSAMBA A.

CANSAMBA A.

AVIC-N4/XU/UC

## WARNING!

The AEL (accessible emission level )of the laser power output is less than CLASS 1 but the laser component is capable of emitting radiation exceeding the limit for

A specially instructed person should do servicing operation of the apparatus.

Laser diode characteristics

Wave length:

DVD:660 nm to 670 nm CD:780 nm to 800 nm

Maximum Output DVD : 1.27 mW(Emitting period :9 sec.) CD: 6.26 mW(Emitting period: unlimited)

## Additional Laser Caution

Transistors Q1103 and Q1104 in PCB drive the laser diodes for DVD and CD respectively. When Q1103 or Q1104 is shorted between their terminals, the laser diodes for DVD or CD will radiate beam. If the top cover is removed with no disc loaded while such short-circuit is continued, the naked eyes may be exposed to the laser beam.

AVIC-N4/XU/UC

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In this manual, procedures that must be performed during repairs are marked with the below symbol.

Please be sure to confirm and follow these procedures.

## 1. Product safety

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Please conform to product regulations (such as safety and radiation regulations), and maintain a safe servicing environment by following the safety instructions described in this manual.

① Use specified parts for repair.

Use genuine parts. Be sure to use important parts for safety.

2 Do not perform modifications without proper instructions.

Please follow the specified safety methods when modification(addition/change of parts) is required due to interferences such as radio/TV interference and foreign noise.

3 Make sure the soldering of repaired locations is properly performed.

When you solder while repairing, please be sure that there are no cold solder and other debris. Soldering should be finished with the proper quantity. (Refer to the example)

4 Make sure the screws are tightly fastened.

Please be sure that all screws are fastened, and that there are no loose screws.

5 Make sure each connectors are correctly inserted.

Please be sure that all connectors are inserted, and that there are no imperfect insertion.

6 Make sure the wiring cables are set to their original state.

Please replace the wiring and cables to the original state after repairs. In addition, be sure that there are no pinched wires, etc.

Make sure screws and soldering scraps do not remain inside the product.

Please check that neither solder debris nor screws remain inside the product.

® There should be no semi-broken wires, scratches, melting, etc. on the coating of the power cord.

Damaged power cords may lead to fire accidents, so please be sure that there are no damages. If you find a damaged power cord, please exchange it with a suitable one.

9 There should be no spark traces or similar marks on the power plug.

When spark traces or similar marks are found on the power supply plug, please check the connection and advise on secure connections and suitable usage. Please exchange the power cord if necessary.

① Safe environment should be secured during servicing.

When you perform repairs, please pay attention to static electricity, furniture, household articles, etc. in order to prevent injuries. Please pay attention to your surroundings and repair safely.

## 2. Adjustments



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To keep the original performance of the products, optimum adjustments and confirmation of characteristics within specification. Adjustments should be performed in accordance with the procedures/instructions described in this manual.

## 3. Lubricants, Glues, and Replacement parts



Use grease and adhesives that are equal to the specified substance. Make sure the proper amount is applied.

## 4. Cleaning



For parts that require cleaning, such as optical pickups, tape deck heads, lenses and mirrors used in projection monitors, proper cleaning should be performed to restore their performances.

## 5. Shipping mode and Shipping screws



To protect products from damages or failures during transit, the shipping mode should be set or the shipping screws should be installed before shipment. Please be sure to follow this method especially if it is specified in this manual.

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## 1. SERVICE PRECAUTIONS

## 1.1 SERVICE PRECAUTIONS

## Service Precaution



- 1. You should conform to the regulations govering the product (safety, radio and noise, and other regulations), and should keep the safety during servicing by following the safety instructions described in this manual.
- 2. Be careful in handling ICs. Some ICs such as MOS type are so fragile that they can be damaged by electrostatic induction.
- 3. Before disassembling the unit, be sure to turn off the power. Unplugging and plugging the connectors during power-on mode may ICs inside the unit.
  - 4. To protect the pickup unit from electrostatic discharge during servicing, take an appropriate treatment (shorting-solder) by referring to "the DISASSEMBLY".
  - 5. After replacing the pickup unit, be sure to skew adjustment.
  - 6. During disassembly, be sure to turn the power off since an internal IC might be destroyed when aconnector is plugged or unplugged.

















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AVIC-N4/XU/UC

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## 1.2 NOTES ON SOLDERING

## **NOTES ON SOLDERING**

- For environmental protection, lead-free solder is used on the printed circuit boards mounted in this unit.

  Be sure to use lead-free solder and a soldering iron that can meet specifications for use with lead-free solders for repairs accompanied by reworking of soldering.
- Compared with conventional eutectic solders, lead-free solders have higher melting points, by approximately 40°C. Therefore, for lead-free soldering, the tip temperature of a soldering iron must be set to around 373°C in general, although the temperature depends on the heat capacity of the PC board on which reworking is required and the weight of the tip of the soldering iron.

Compared with eutectic solders, lead-free solders have higher bond strengths but slower wetting times and higher melting temperatures (hard to melt/easy to harden).

The following lead-free solders are available as service parts:

• Parts numbers of lead-free solder:

GYP1006 1.0 in dia.

GYP1007 0.6 in dia.

GYP1008 0.3 in dia.

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# 2. SPECIFICATIONS 2.1 SPECIFICATIONS

## AVIC-N4/XU/UC

General	
Rated power source	14.4 V DC
	(allowable voltage range: 10.8 V to 15.1 V DC)
Grounding system	Negative type
Max. current consu	mption
	10.0 A
Backup current	5.5 mA or less
Display unit:	
Dimensions (W X H	× D):
	178 × 50 × 160 mm
Ottadolomini	(7×2×6-1/4 in.)
Nose	188 × 58 × 33 mm
	(7-3/8×2-1/4×1-3/8 in.)
D	V. Taraca Section Double Co.
Chassis	178 × 50 × 165 mm
	(7 X 2 X 6-1/2 in )
Nose	170×46×28 mm
	(6-3/4 × 1-3/4 × 1-1/4 in.)
Weight,	2.3 kg(5.1 lbs)
Hideaway unit:	
Dimensions (WXH	×D):
	180 × 30× 140 mm
Weight	
Navigation	
GPS Receiver:	
System	L1, C/Acode GPS SPS (Standard Positioning Service)
Reception system	8 -channel multi-channel reception system
Reception frequence	
Sensitivity	
Position update free	
Carrier abases no	Approx. once per second
GPS antenna:	
	Micro strip flat antenna/ right-handed helical polar- ization
Antenna cable	5.0 m(16 ft. 5 in.)
Dimensions (WXH	
	33 × 13 × 36 mm (1-1/4× 1/2 × 1-3/8 in.)
Weight	105 g(0.23 lbs)
Display	
Screen size/aspect ratio	7 inch wide/16:9 (effective display area: 156 × 89 mm)
Pixels	336 960 (1 440 × 234)
	TFT active matrix, transmi
Color system	sive type
Operating temperature	
	+14 °Fto +122 °F
Storage temperature rai	
Giorage temperature rai	-4 °F to+176 °F

Audio	San STATE of Allert American
Continuous power output	t is 22 W per channel minimum
no more than 5% THD.	els driven 50 to 15 000 Hz with
Maximum power output.	50 W× 4
	50 W × 2 ch/4 Ω + 70 W × 1
	ch/2 Ω (for subwoofer)
Load impedance	$4\Omega$ ( $4\Omega$ to $8\Omega$ [ $2\Omega$ for 1 ch) allowable)
Preout max output level	output impedance
Equalizer (3-Band Parar	
	netric Equalizer).
Low	10/00/100/100/11-
Frequency	40/80/100/160 Hz
Q Factor	0.35/0.59/0.95/1.15 (+6 dB when boosted)
Gain	
	±120B
Mid	1221 221 1 221 1
	200 Hz/500 Hz/1 kHz/2 kHz
Q Factor,	0.35/0.59/0.95/1.15 (+6 dB when boosted)
Gain	±12dB
High	
Frequency	3.15/8/10/12.5 kHz
Q Factor	0.35/0.59/0.95/1.15 (+6 dB when boosted)
Gain	±12dB
Loudness contour:	
	+3.5 dB (100 Hz), +3 dB (10 kHz)
Mid	+10 dB (100 Hz), +6.5 dB
	(10 kHz) +11 dB (100 Hz), +11 dB
High	
	(10 kHz)
une.	(volume: -30 dB)
HPF:	F0.0004.00 14
Frequency	
Slope	12 dB/oct
Subwoofer:	
Frequency	
Slope	18 dB/oct
Gain	±12dB
Phase	Normal/Reverse
DVD Drive	
	DVD-Video, Compact disc
System	audio, MP3, WMA, AAC, DivX system
Usable discs	DVD-Video, Compact disc,
ATTENDED TO A STATE OF THE STAT	MP3, WMA, AAC, DivX
Region number	1
Signal format:	
Sampling frequency Number of quantiza	
	16/20/24; linear
	5 Hz to 44 000 Hz (with DVD,
, requeries responde	at sampling frequency 96 kHz)
Signal-to-noise ratio	97 dB (1 kHz) (IHF-A net-
	work) (CD: 96 dB (1 kHz) (IHF-A network))

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Dynamic range	95 dB (1 kHz)
	(CD: 94 dB (1 kHz))
Distortion	0.008 % (1 kHz)
Output level:	
Video	1.0 Vp-p/75Ω (±0.2 V)
	1.0 V (1 kHz, 0 dB)
Number of channels	
MP3 decoding format	MPEG-1 & 2 Audio Layer 3
WMA decoding format	Ver.9.0 L3
AAC decoding format	MPEG-4 AAC (only encoded by iTunes) ; .m4a
DivX decoding format	Home Theater Ver.3, Ver.4, Ver.5.2 ; .avi, .divx
FM tuner	
	Am A 1 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

Frequency range	87.9 MHz to 107.9 MHz
Usable sensitivity	8 dBf (0.7 μV/75Ω, mono, S/ N: 30 dB)
Signal-to-noise ratio	75 dB (IHF-A network)
Distortion	0.3 % (at 65 dBf, 1 kHz, ste- reo)
	0,1 % (at 65 dBf, 1 kHz, mono)
Frequency response	30 Hz to 15 000 Hz (±3 dB)
Stereo separation	45 dB (at 65 dBf, 1 kHz)

## AM tuner

Frequency range	530 kHz to 1 710 kHz	
(	10 kHz)	
Usable sensitivity	18 μV (S/N: 20 dB)	
Signal-to-noise ratio	65 dB (IHF-A network)	

## Note:

· Specifications and the design are subject to possible modifications without notice due to improvements.

AVIC-N4/XU/UC

## AVIC-X3/XU/EW5

General	
Rated power source	14.4 V DC
	(allowable voltage range: 12.0 V to 14.4 V DC)
Earthing system	Negative type
Maximum current co	
***************************************	
Backup current	5.5 mA or less
Display unit:	
Dimensions (W X H. DIN	X D):
Chassis	178 × 50 × 160 mm
Nose	188 × 58 × 33 mm
D	
Chassis	178 X 50 X 165 mm
	170 × 46 × 28 mm
Weight	THE PERSON OF TH
Hideaway unit:	IIIII CIO NG
Dimensions (W X H	XD):
	180 × 30 × 140 mm
Weight	
	0.7 kg
Navigation	
GPS Receiver:	
System	L1, C/Acode GPS
	SPS (Standard Positioning Service)
Reception system	8 -channel multi-channel reception system
Reception frequency	y 1 575.42 MHz
Sensitivity	
Position update freq	quency
	Approx. once per second
GPS aerial:	amount to the second
Aerial	Micro strip flat aerial/right- handed helical polarisation
Aerial cable	10,700
Dimensions (WXH	101101121111111111111111111111111111111
Secretary and the second secretary and the second s	33 × 13 × 36 mm
Weight	
Display	
Screen size/aspect ratio	7 inch wide/16:9
000000000000000000000000000000000000000	(effective display area: 156 X 89 mm)
Pixels	336 960 (1 440 X 234)
	TFT active matrix, transmis-
.,,,-	sive type
Colour system	NTSC/PAL compatible
Operating temperature ra	
	10 °C to +50 °C
Storage temperature ran	
	20 °C to +80 °C
Angle adjustment	
	(Initial setting angle: 90°)

Audio	
Maximum power output	50.WX 4
maximum power output,	50 W × 2 ch/4 $\Omega$ + 70 W × 1 ch/2 $\Omega$ (for subwoofer)
	22 WX 4 (50 Hz to 15 kHz, 5 %THD, 4Ω LOAD, Both Channels Driven)
	$4\Omega$ ( $4\Omega$ to $8\Omega$ [ $2\Omega$ for 1 ch] allowable)
Preout max output level/or	
Equaliser (3-Band Parame	etric Equaliser):
Low	
Frequency	40/80/100/160 Hz
Q Factor	0.35/ 0.59/0.95/1.15 (+6 dB when boosted)
Gain	±12dB
Mid	
	200 Hz/500 Hz/1 kHz/2 kHz
Q Factor	0.35/0.59/0.95/1.15 (+6 dB when boosted)
Gain	±12dB
High	
	3.15/8/10/12.5 kHz
	0.35/0.59/0.95/1.15 (+6 dB when boosted)
Gain	, ±12dB
Loudness contour:	
	+3.5 dB (100 Hz), +3 dB (10 kHz)
	+10 dB (100 Hz), +6.5 dB (10 kHz)
	+11 dB (100 Hz), +11 dB (10 kHz)
	(volume: -30 dB)
HPF:	W. C. S.
Frequency	
Slope	12 dB/oct
Subwoofer:	
Frequency	
Slope	
Gain	
Phase	Normal/Reverse
DVD Drive	
System	DVD-Video, Compact disc audio, MP3, WMA, AAC, DivX system
	DVD-Video, Compact disc,
	MP3, WMA, AAC, DivX

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AVIC-N4/XU/UC

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Usable sensitivity...... 18 µV (S/N: 20 dB) Signal-to-noise ratio ........... 65 dB (IEC-A network)

### LW tuner

Frequency range...... 153 kHz to 281 kHz Usable sensitivity...... 30 μV (S/N: 20 dB) Signal-to-noise ratio ............ 65 dB (IEC-A network)

## Note:

· Specifications and design are subject to possible modifications without notice due to improvements.

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AVIC-N4/XU/UC

## 2.2 DISC/CONTENT FORMAT

## **Playable Discs**

## **About DVD-Video and CD**

DVD and CD discs that display the logos shown below generally can be played back on this built-in DVD drive.

## **DVD-Video**



CD





- ☐ **W** is a trademark of DVD Format/Logo Licensing Corporation.
- ☐ It is not possible to play back DVD-Audio discs. This DVD drive may not be able to play all discs bearing the marks shown above.

## **About AVCHD recorded discs**

This unit is not compatible with discs recorded in AVCHD (Advanced Video Codec High Definition) format

Do not insert AVCHD discs.If inserted, the disc may not be ejected.

## **About Dual layer discs**

The unit cannot play back DVD-R/-RW discs that are written in Layer Jump Recording mode. For more information about the writing method, see the operation manual for the writing device.

## **About DVD Map Disc**

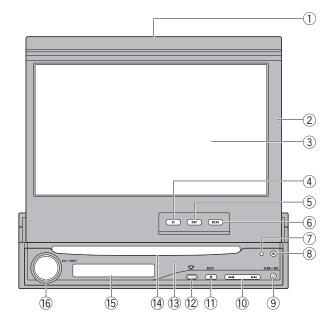
You can use discs intended for this navigation system. Use only discsapproved by Pioneer.

AVIC-N4/XU/UC

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## 2.3 PANEL FACILITIES



1 Disc indicator

When a disc is set in navigation system, this indicator lights.

- 2 LCD panel
- 3 LCD screen
- 4 AV button Press to display the AV operation screen.
- ⑤ MAP button Press to view the map or change view mode.
- ⑥ MENU button Press to display the navigation menu or AV menu.
- 7 RESET button
- ® DETACH button

Press to remove the front panel from the display unit.

9 OPEN/CLOSE buttonPress to open or close the LCD panel.Press and hold to display Flap Setup screen.

## 10 **◄◄/►►** button

Press to perform manual seek tuning, fast forward, reverse and track search controls.

- (11) EJECT button
- 12 PHONE button

Press to display BT-TEL operation screen. Press and hold to switch the indication of sub display in the following order:

Present time — No indication — AV source information

- (13) Front panel
- 14 Disc loading slot
- (15) Sub Display

Displays the current time or information about the AV source that is currently playing.

16 VOLUME knob

Turn to adjust the AV (Audio and Video) volume or press to change the AV source. Press and hold the VOLUME knob to switch the source to mute.

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## Resetting the Microprocessor

## **A** CAUTION

 Pressing the RESET button deletes the contents of the system's memory.

## About the data being deleted

The information is erased by pressing the RESET button or disconnecting the yellow lead from the battery (or removing the battery itself). However, the following items are not erased:

- · Sensor learning status and driving status
- Memory areas that were memorised manually
- · Areas to avoid
- · Registered Locations in "Address Book"

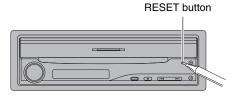
# Reset the navigation system without changing the condition memory

Pressing the RESET button of the navigation system lets you reset the microprocessor to its initial settings without changing the condition memory.

The microprocessor must be reset under the following conditions:

- Prior to using this product for the first time after installation.
- If the product fails to operate properly.
- If there appear to be problems with the operation of the system.
- When changing the combination of the equipment.
- When adding/removing additional products that connect to the navigation system.

- 1 Turn the ignition switch OFF.
- 2 Press the RESET button with a pen tip or other pointed instrument.



☐ If you have connected other equipment (for example, Bluetooth adapter) to this navigation system, be sure to reset that equipment too.

# Reset the navigation system to the initial (factory) setting

When you want to erase memorised settings and return the navigation system to its initial (factory) settings, carry out the following operations.

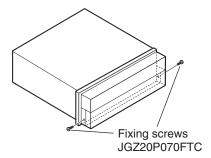
- 1 Turn the engine ON or set the ignition switch to ACC position.
- 2 Press the RESET button with a pen tip or other pointed instrument.
  - Some navigation settings and data are not erased.

AVIC-N4/XU/UC

## Fixing the front panel

If you do not operate the removing and attaching the front panel function, use the supplied fixing screws to fix the front panel to the display unit.

• Fix the front panel to the display unit using the fixing screws after removing the frame.



AVIC-N4/XU/UC

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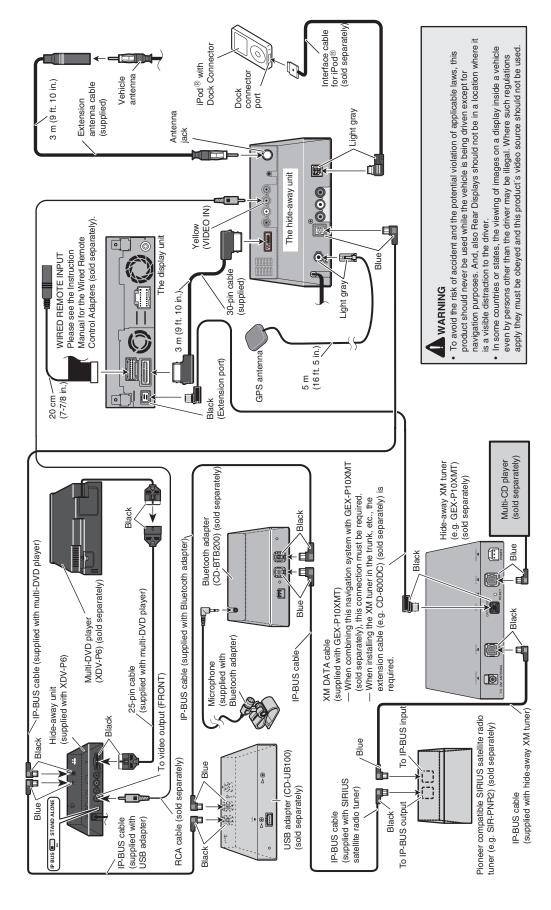
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## ● CONNECTION DIAGRAM (AVIC-N4/XU/UC)



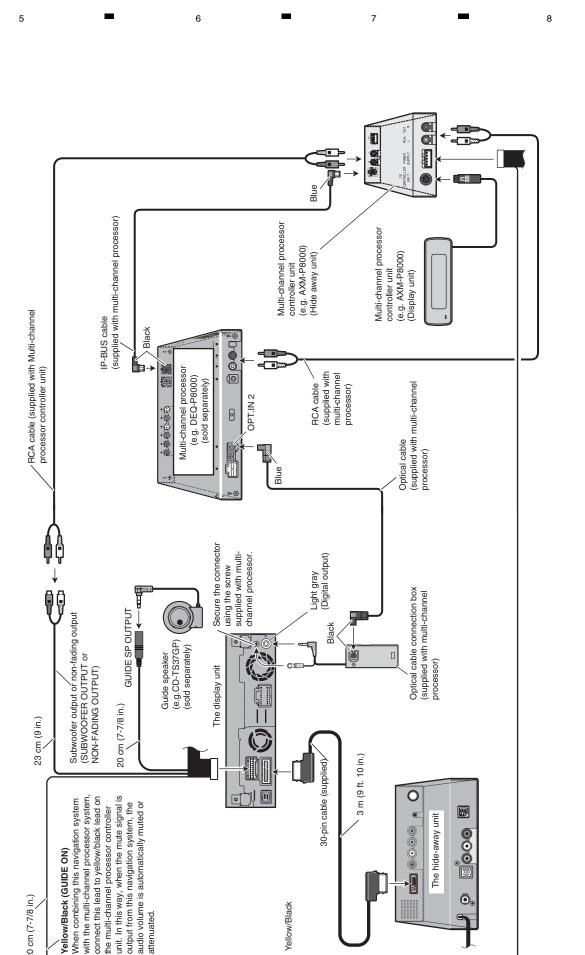
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AVIC-N4/XU/UC

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AVIC-N4/XU/UC

Yellow/Black

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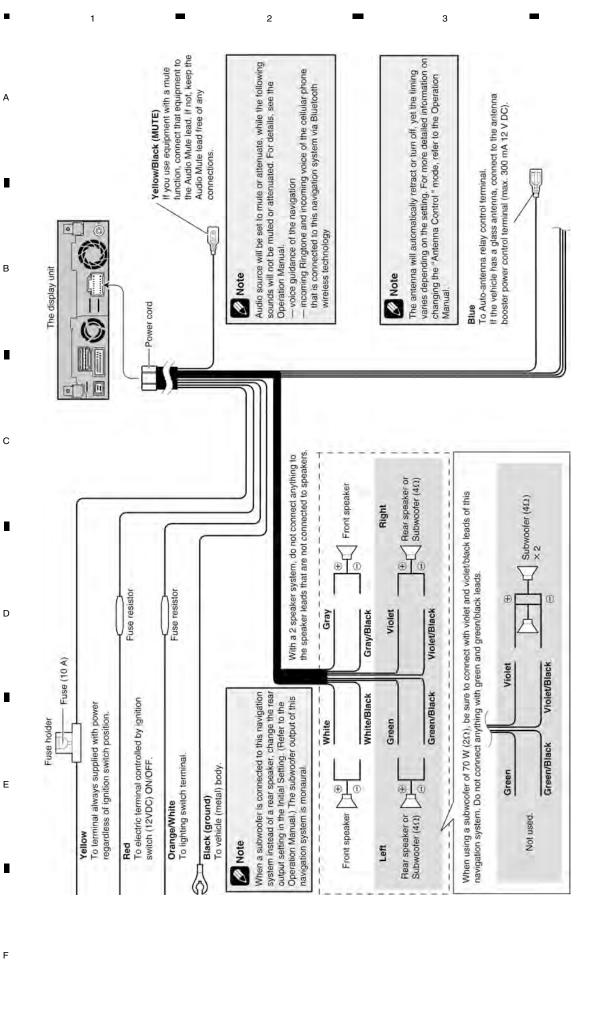
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attenuated.

Yellow/Black (GUIDE ON)

20 cm (7-7/8 in.)



AVIC-N4/XU/UC

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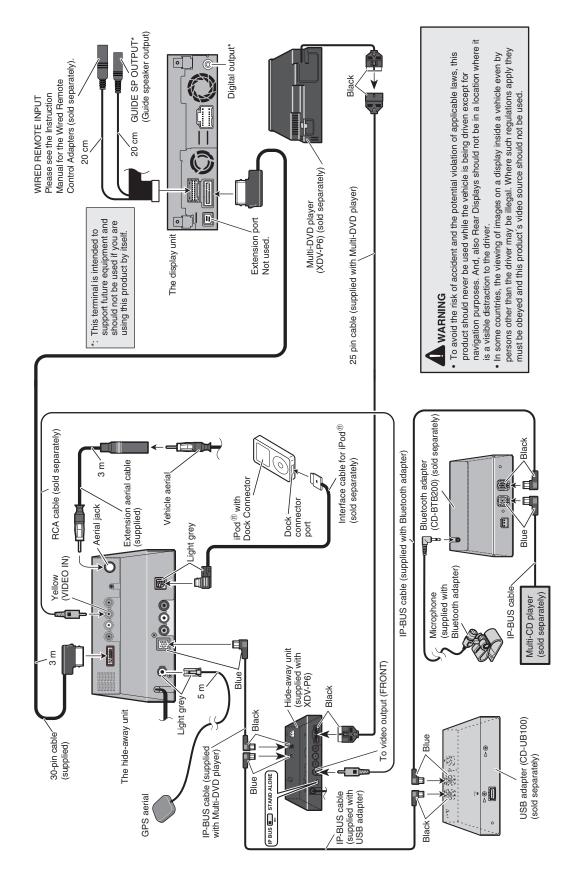
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## CONNECTION DIAGRAM (AVIC-X3/XU/EW5)

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AVIC-N4/XU/UC

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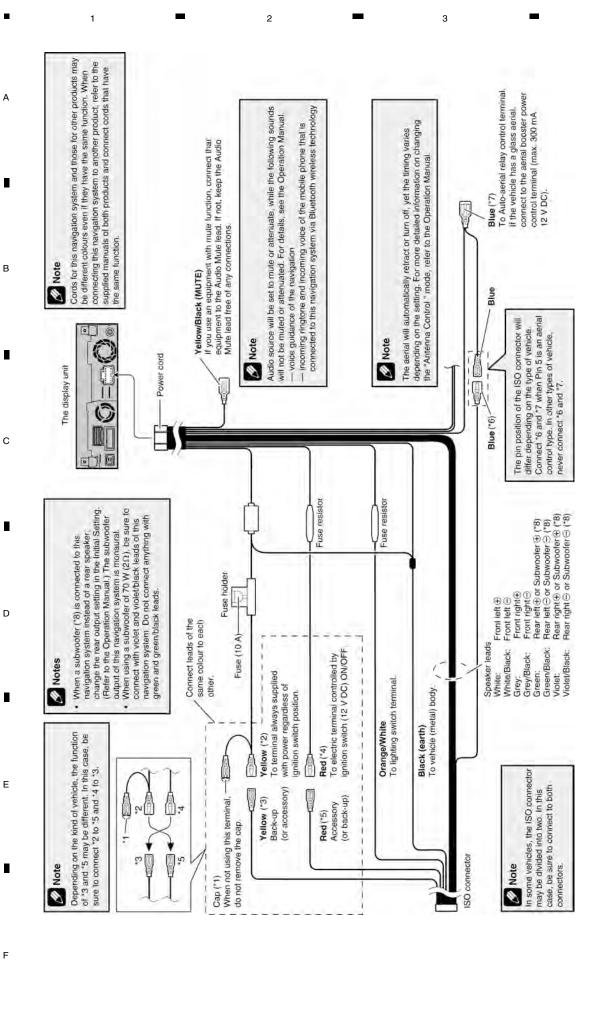
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AVIC-N4/XU/UC

## 3. BASIC ITEMS FOR SERVICE

## 3.1 CHECK POINTS AFTER SERVICING

To keep the product quality after servicing, please confirm following check points.

No.		Procedures	Item to be confirmed
1		Confirm whether the customer complain has been solved.  If the customer complain occurs with the specific media, use it for the operation check.	The customer complain must not be reappeared. Display, video, audio and operations must be normal.
2	Flap-mecha	Check the operation of the flap mechanism.	The flap mechanism operation must be smooth without making the noise and scratches.
3	DVD	Measure playback error rates at the innermost and outermost tracks by using the test mode with the following disc. DVD test disc (GGV1025)	Deterioration of mecha-drive can be checked. The error rates must be less than 2.5e-4.
4	DVD	Play back a DVD. (Menu operation; Title/chapter search)	Display, video, audio and operations must be normal.
5	CD	Play back a CD. (Track search)	Display, audio and operations must be normal.
6	FM/AM tuner	Check FM/AM tuner action. (Seek, Preset) Switch band to check both FM and AM.	Display, audio and operations must be normal.
7	TV tuner	Check TV tuner action. (Seek; Preset)	Display, video, audio and operations must be normal.
8	GPS positioning	Connect GPS antenna to the product, and check whether the current location is correct.	Current location must be correct. Display and operations must be normal.
9	Gyro action	On "3D Calibration Status", check whether the gyro sensor works well by moving the front face of the product from left to right and up and down.	Gyro-sensing, display and operations must be normal.
10	Map display Touch-panel operation Remote-control operation	Check functions of map scale change and map scroll.	Display and operations must be normal.
11		Delete data added during the operating check. Check whether no media (CD etc.) is inside the product.	Make sure to delete data added during the operating check. The media used for the operating check must be ejected.
12		Appearance check	No scratches or dirt on its appearance after receiving it for service.

See the table below for the items to be checked regarding video and audio:

Item to be checked regarding video	Item to be checked regarding audio
Block-noise	Distortion
Horizontal noise	Noise
Dot noise	Volume too low
Disturbed image (video jumpiness)	Volume too high
Too dark	Volume fluctuating
Too bright	Sound interrupted
Mottled color	

AVIC-N4/XU/UC

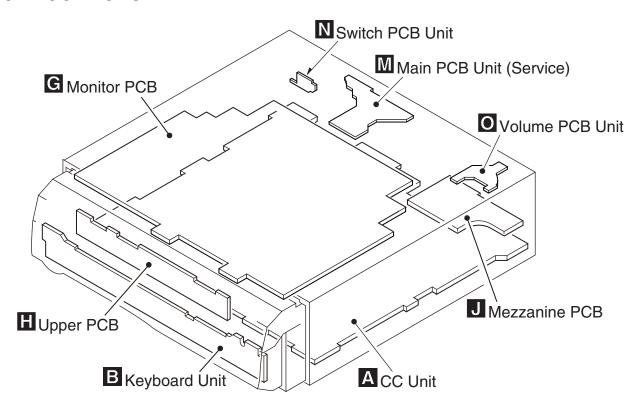
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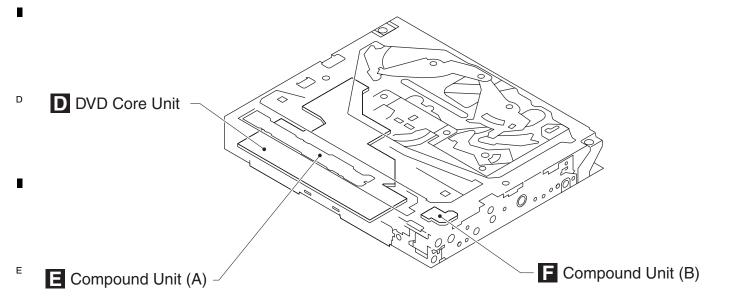
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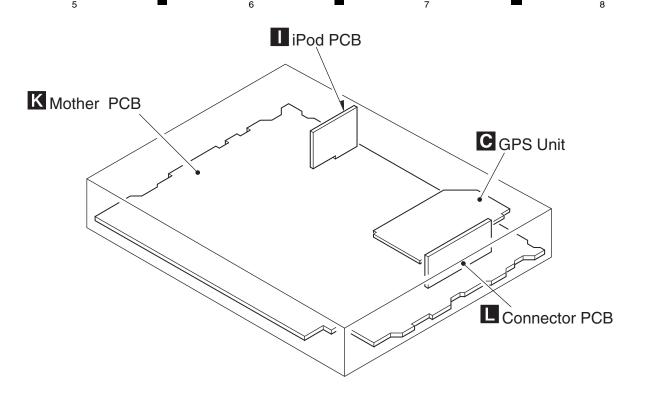
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## 3.2 PCB LOCATIONS





AVIC-N4/XU/UC



Unit Number : CWN2308(UC)
Unit Number : CWN2309(EW5)

Unit Name : CC Unit

Unit Number :

Unit Name Keyboard Unit Unit Number CWX3533(UC) **Unit Number** CWX3534(EW5) **Unit Name GPS Unit Unit Number** CWN2304 **Unit Name** Monitor Unit Unit Number CWN2310(UC) Mother Tuner Unit(UC) Unit Name **Unit Number** CWN2311(EW5) Mother Unit(EW5) **Unit Name** 

Unit Number : CXX2316

Unit Name : Main PCB Unit(SERVICE)

**Unit Number** CZW5029 Unit Name Switch PCB Unit CZW5028 **Unit Number Unit Name** Volume PCB Unit **Unit Number** CWX3401 Unit Name DVD Core Unit Unit Number CWX3154 Unit Name Compound Unit(A)

Unit Number : CWX3394

Unit Name : Compound Unit(B)

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AVIC-N4/XU/UC

## 3.3 JIGS LIST

Jigs List

Name	Jig No.	Remarks
Disc	GGV1018	Skew adjustment
TORX driver(T2)	GGK1095	Skew adjustment
Bond	GEM1033	Skew adjustment
DVD test disc	GGV1025	Check points after servicing
60P PCB	GGF1495	CC Unit (CN608) <> Main Unit (CN101)
60P FFC	GGD1380	CC Unit (CN608) <> GGF1495
40P+20P PCB	GGF1461	CC Unit (CN608) <> Monitor PCB (CN5003)
15P PCB	GGF1494	CC Unit (CN2701) <> Grille Assy
15P FFC	GGD1123	CC Unit (CN2701) <> GGF1494
40P FFC	GGD1170	Monitor PCB (CN5003) <> GGF1461
OSD PCB	GGF1416	Monitor Adjustment PCB (*)
PCB and FFC	GGF1463	JIG connector Assy (*)
14P FFC	GGD1322	Monitor Unit (CN5801) <> GGF1463 (*)
DVD-ROM	GGV1310	TEST DISC (Operation check)

<sup>\*)</sup> Since this product does not have OSD IC, OSD for adjustment is displayed by using GGF1416 and GGF1463 at the time of monitor adjustment. As GGD1323 is not used, be careful not to short the terminal.

## Grease List

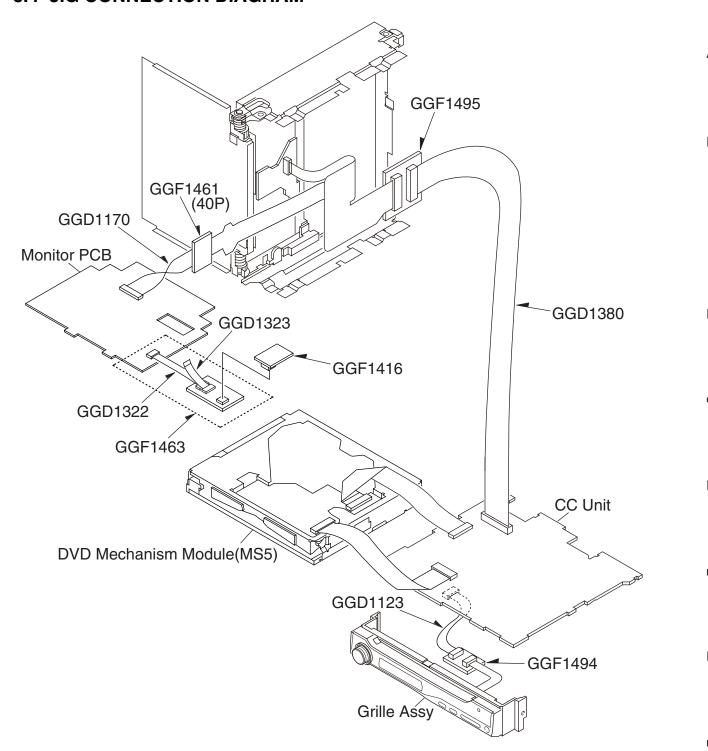
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Name	Jig No.	Remarks	
Grease	GEM1024	DVD Mechanism Module and Drive Unit	
Grease	GEM1043	DVD Mechanism Module and Drive Unit	
Grease	GEM1045	DVD Mechanism Module	
Grease	GEM1050	DVD Mechanism Module	
Locking agents	1401M	DVD Mechanism Module (1401M:produced by THREE BOND)	
Grease	GEM1011	Drive Unit	
Grease	GEM1047	Drive Unit	
Grease	GEM1071	Drive Unit	
Grease	GEM1072	Drive Unit	

AVIC-N4/XU/UC

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## 3.4 JIG CONNECTION DIAGRAM



## 3.5 CLEANING



Before shipping out the product, be sure to clean the following portions by using the prescribed cleaning tools:

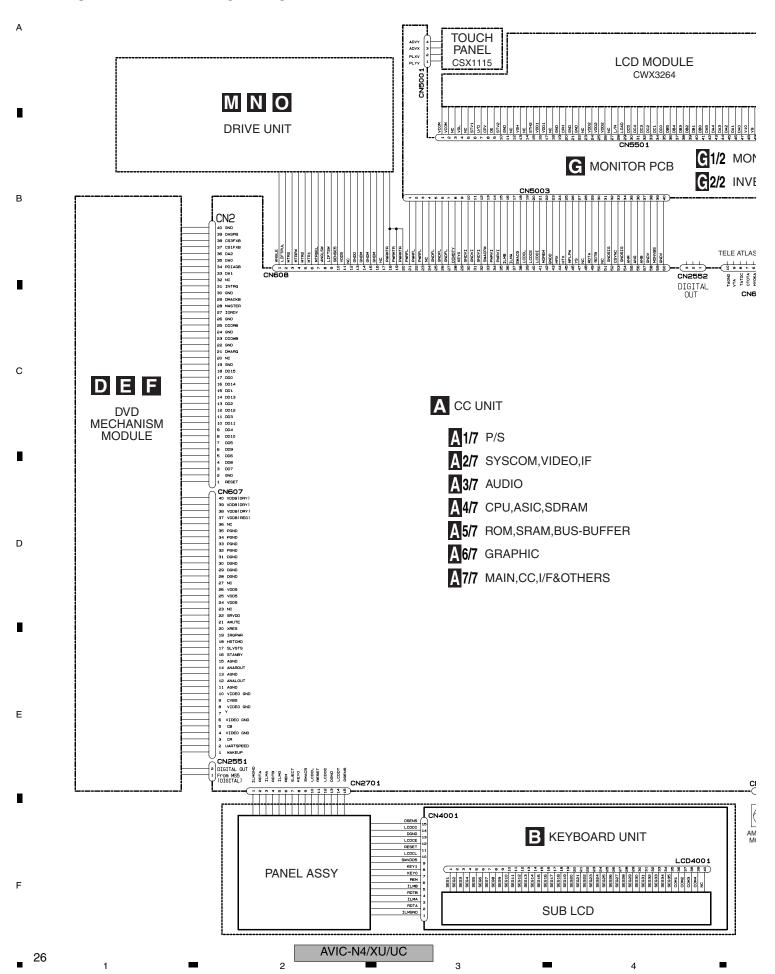
Portions to be cleaned	Cleaning tools
	Cleaning liquid: GEM1004 Cleaning paper: GED-008

Portions to be cleaned	Cleaning tools
Fans	Cleaning paper : GED-008

AVIC-N4/XU/UC

## 4. BLOCK DIAGRAM

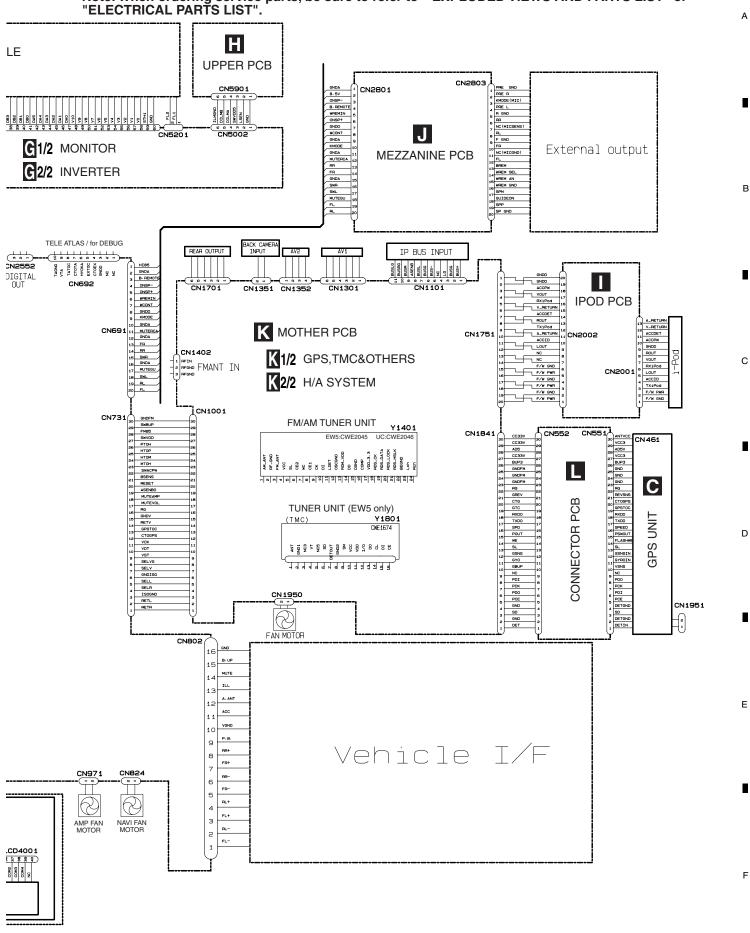
## 4.1 OVERALL WIRING DIAGRAM



Note: When ordering service parts, be sure to refer to "EXPLODED VIEWS AND PARTS LIST" or

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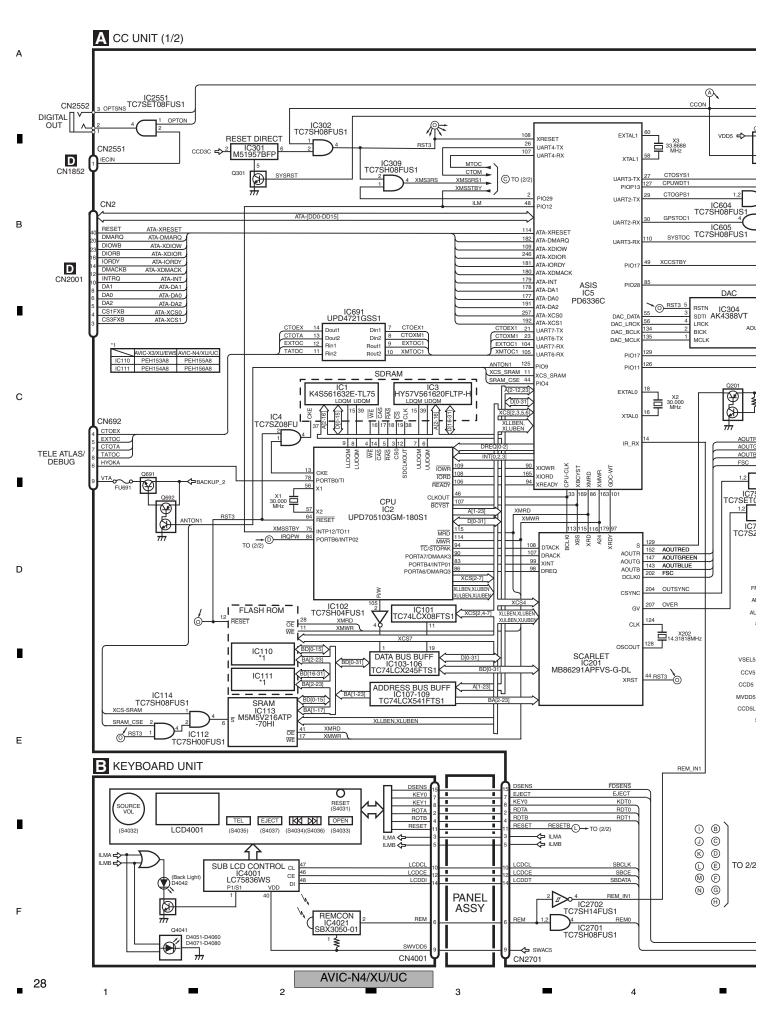
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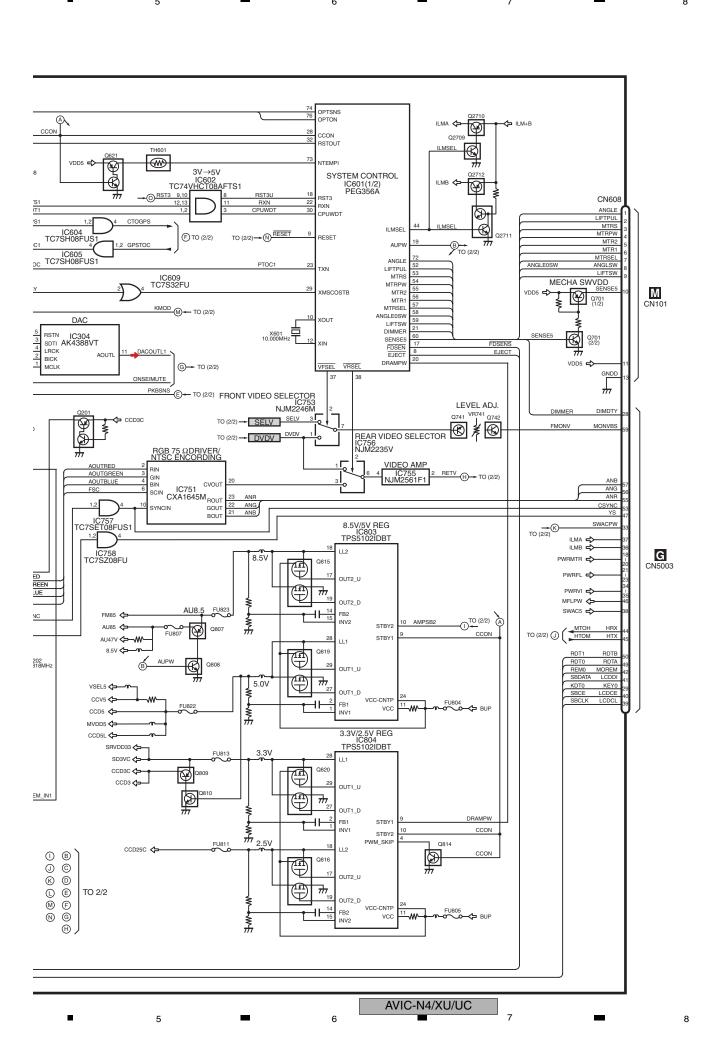


AVIC-N4/XU/UC

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## 4.2 BLOCK DIAGRAM



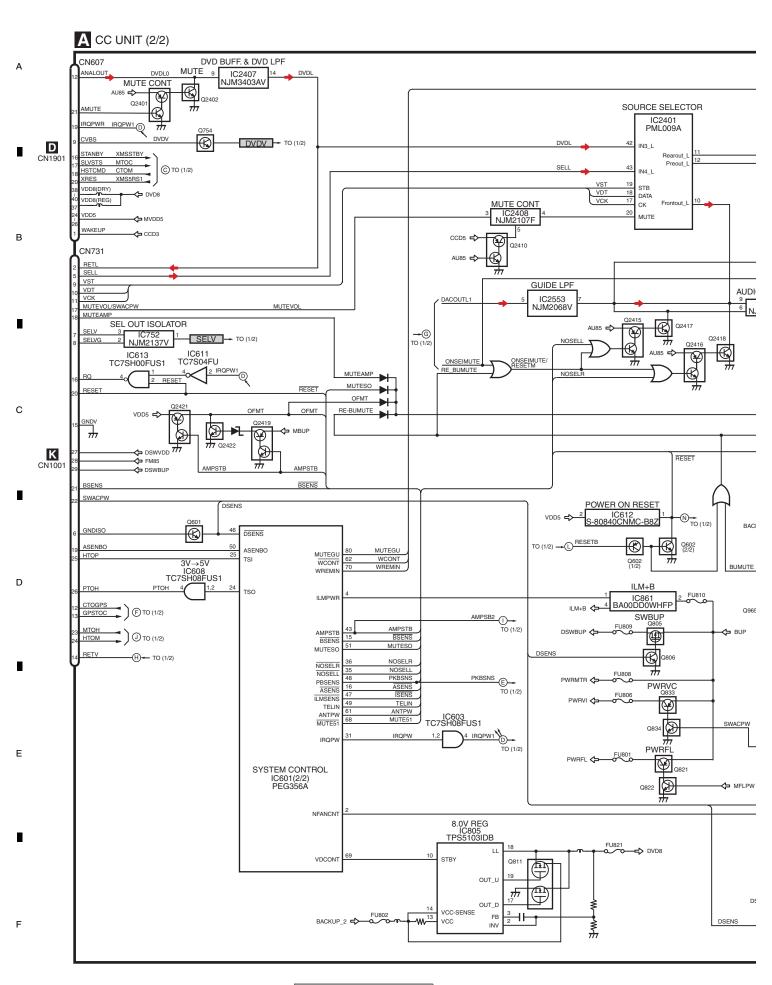


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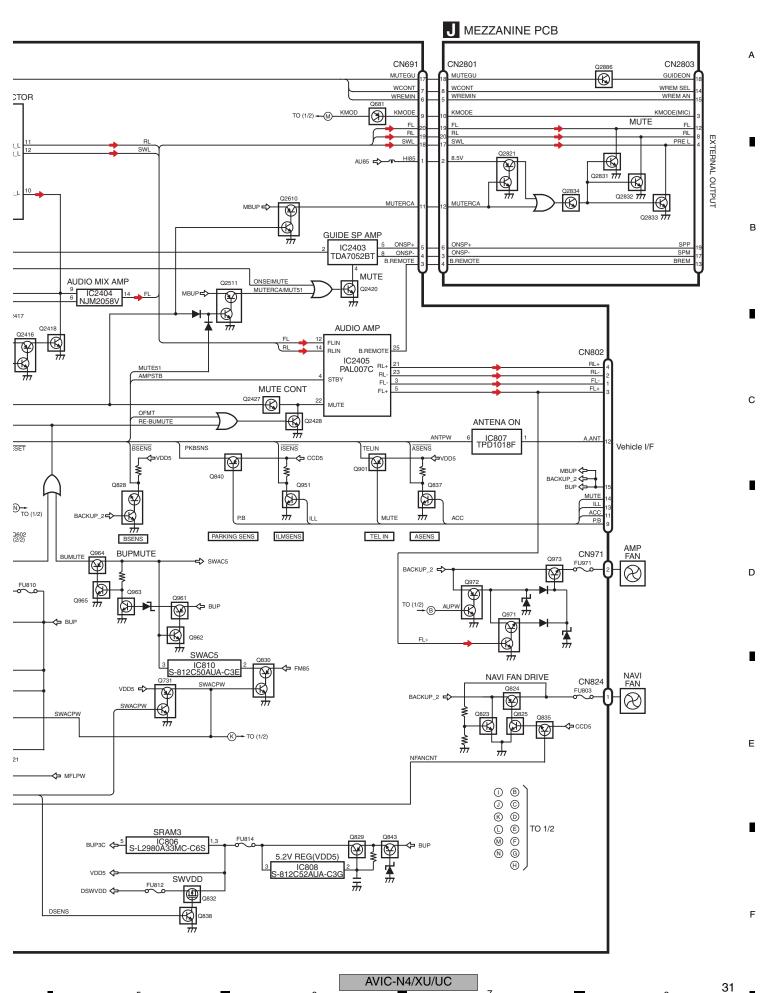
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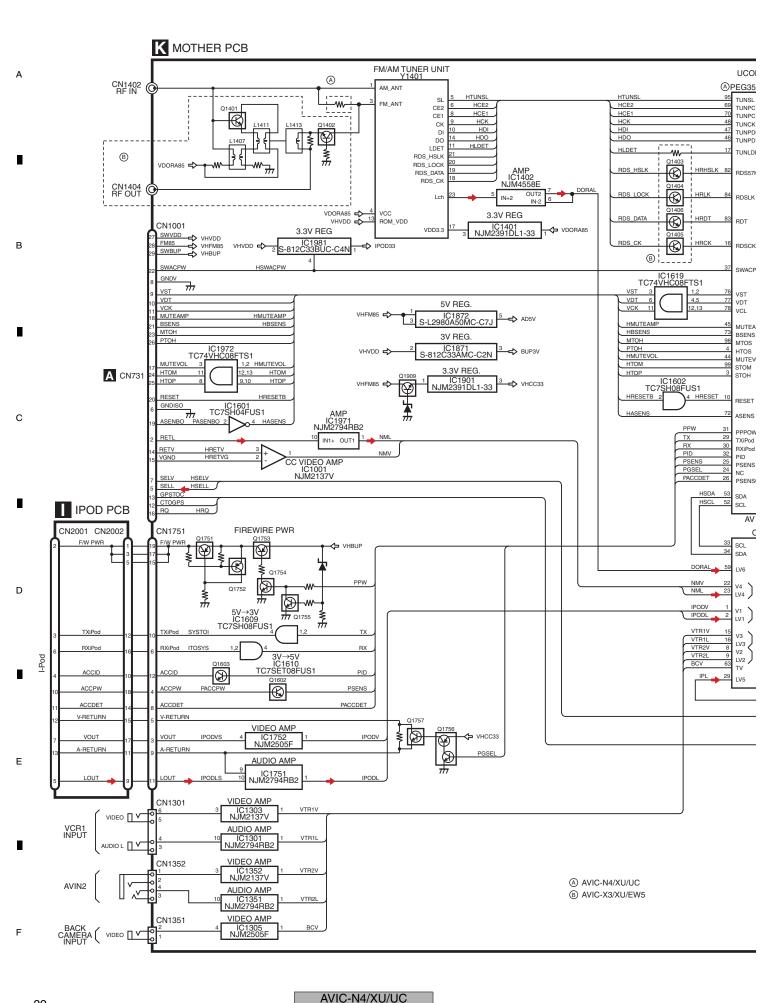
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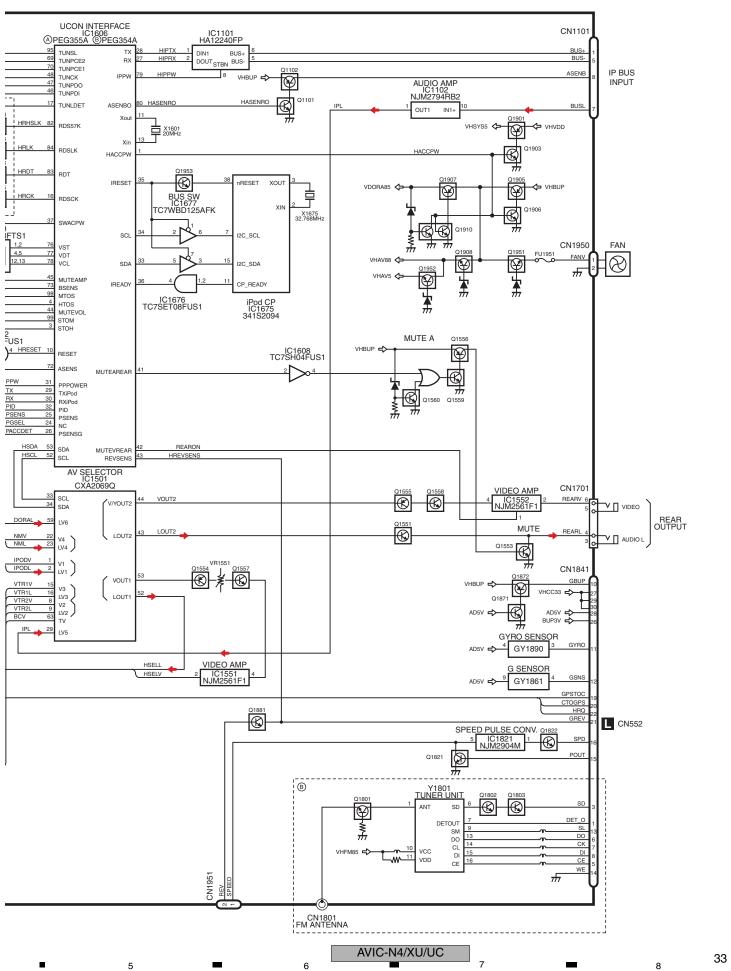


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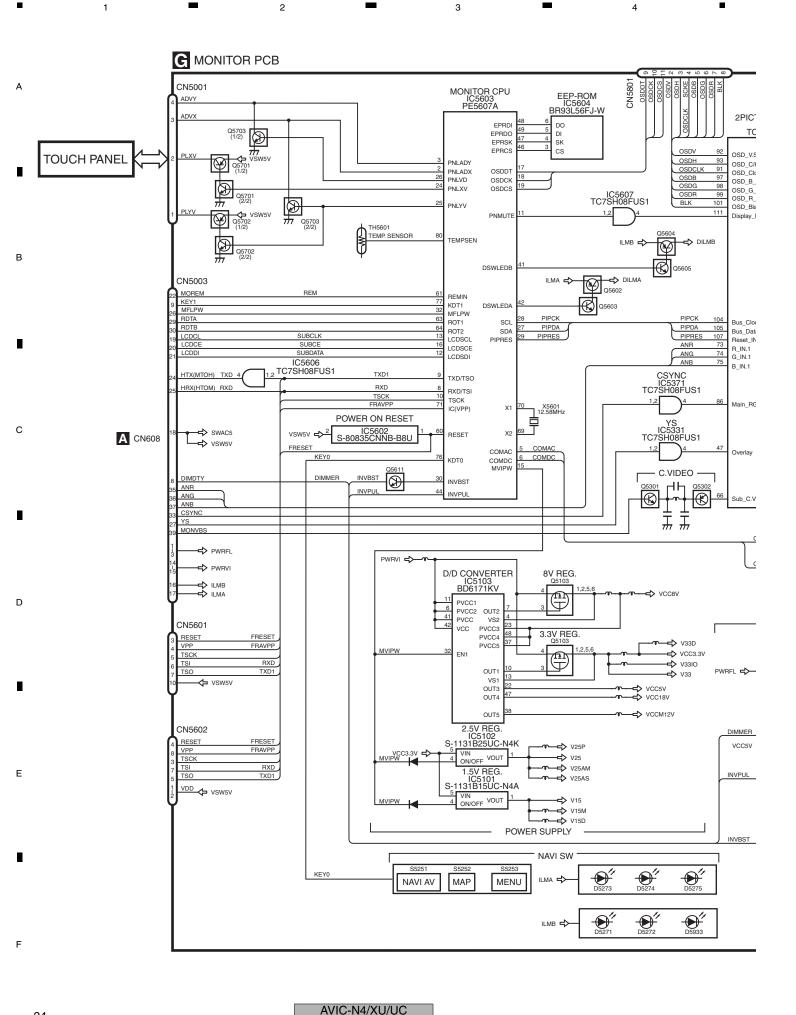
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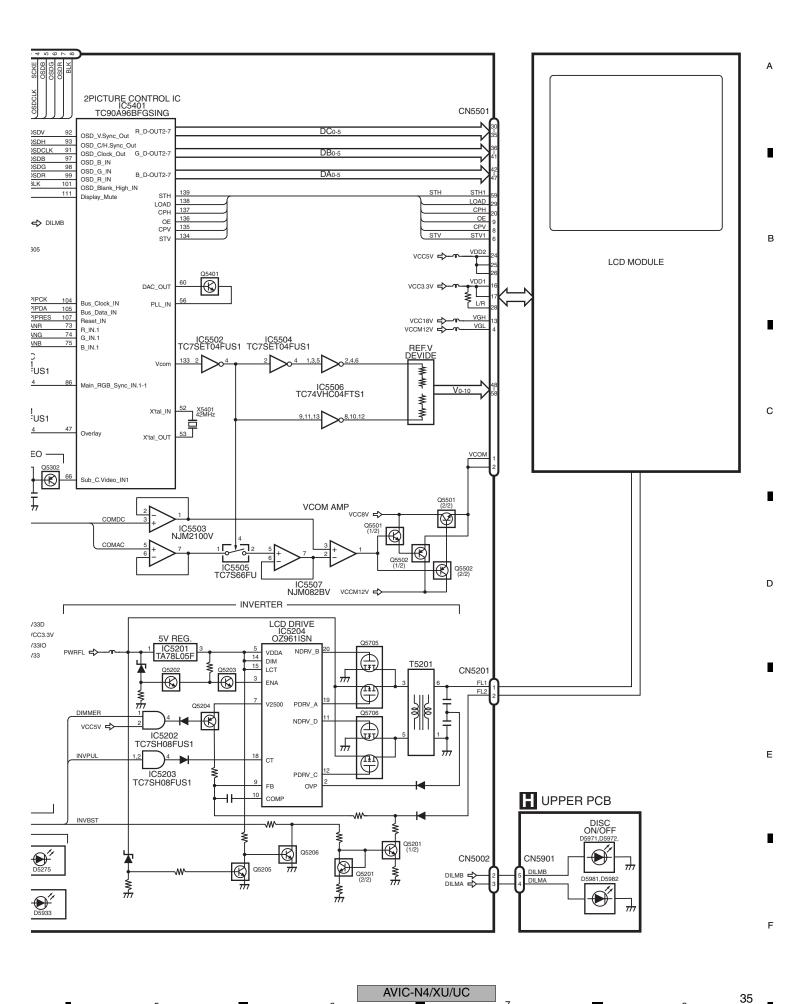
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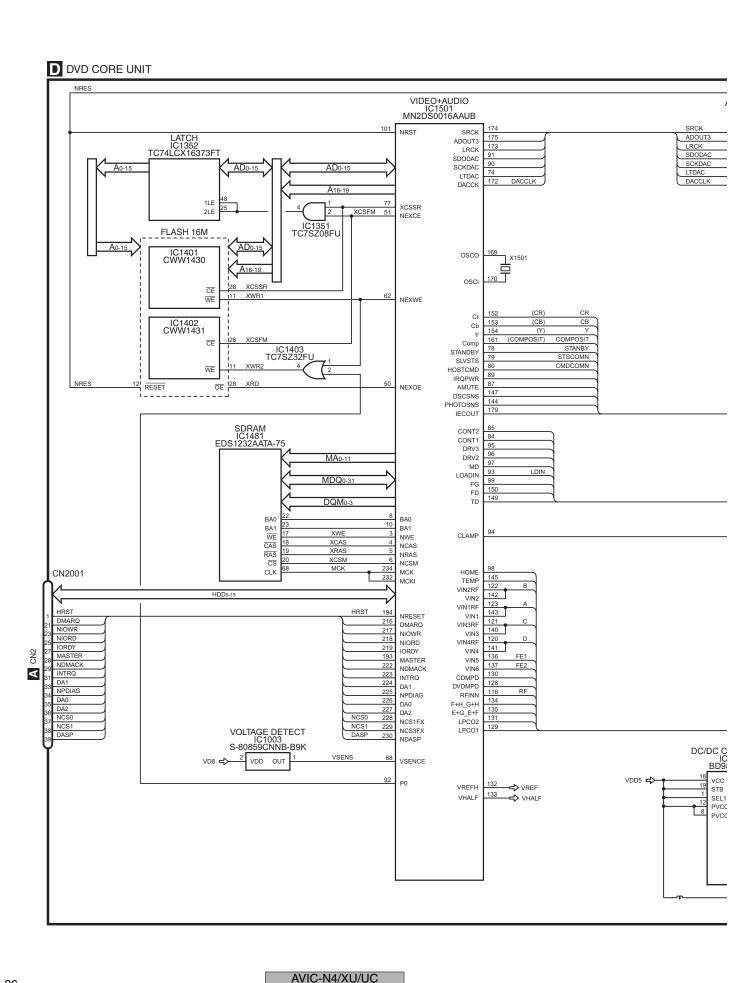
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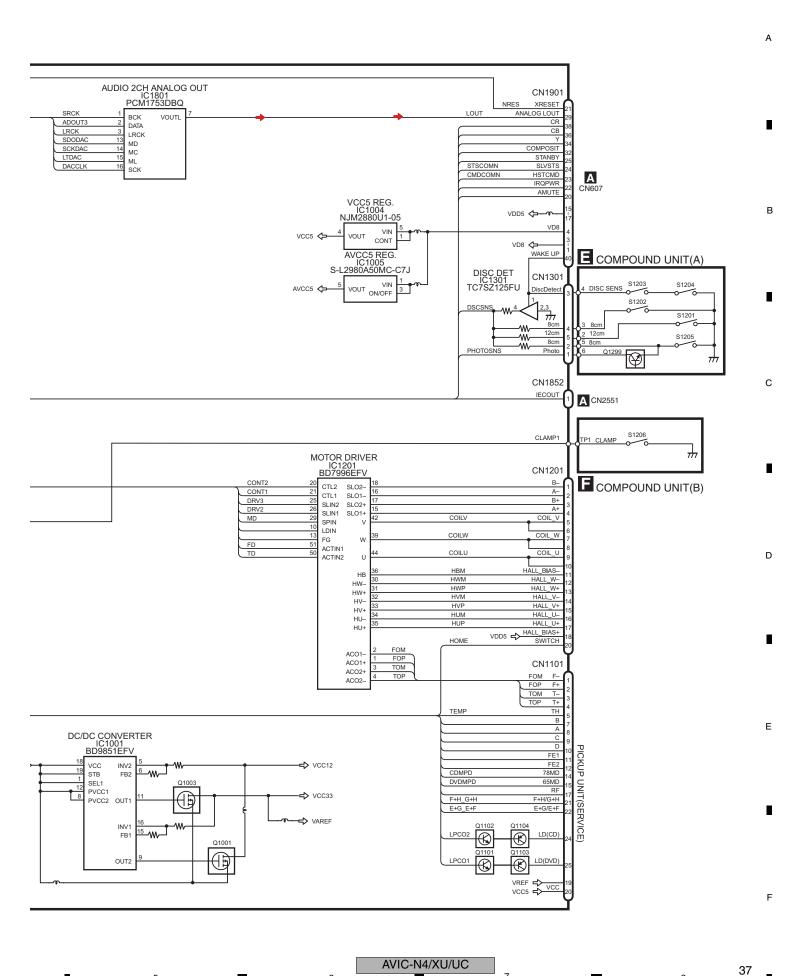
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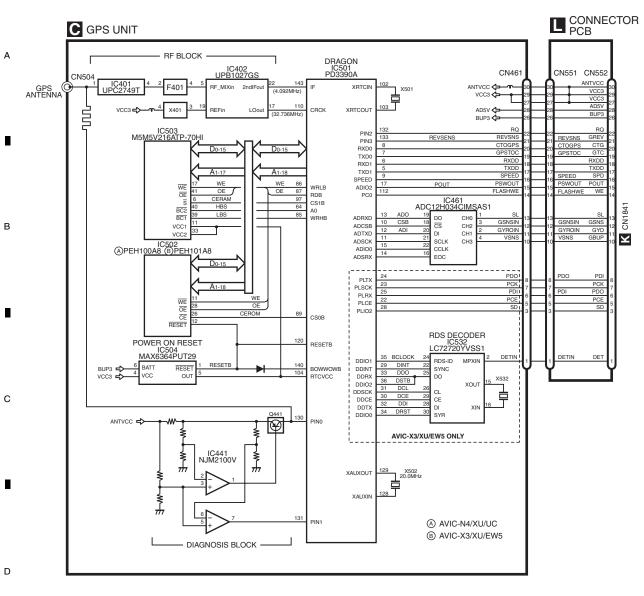
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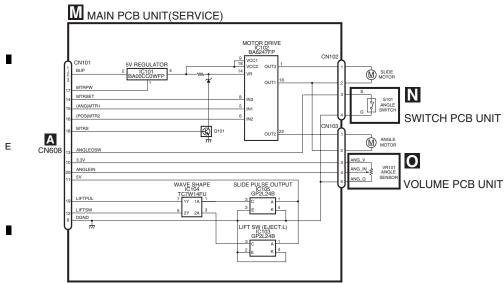
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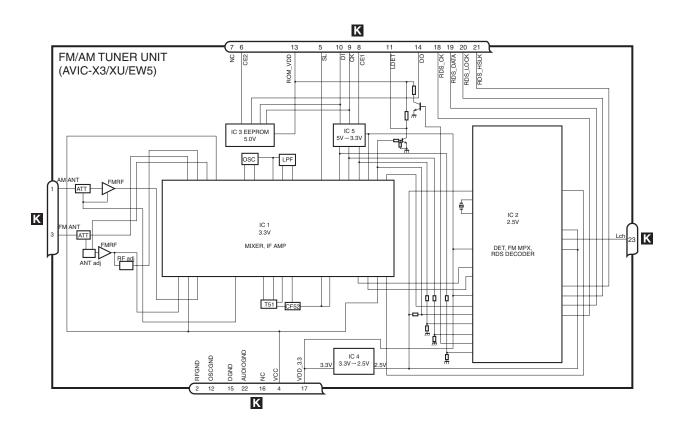
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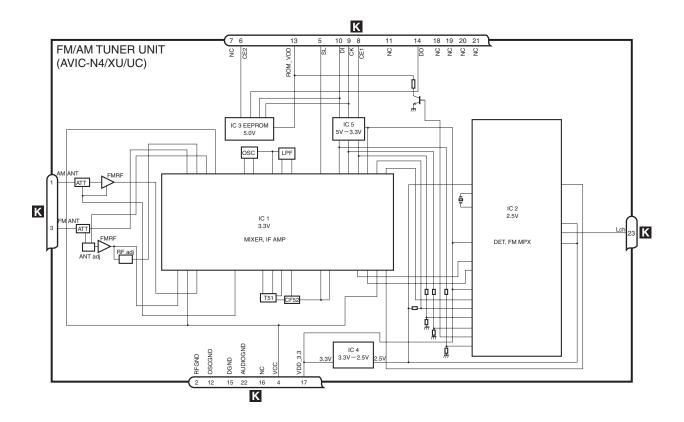


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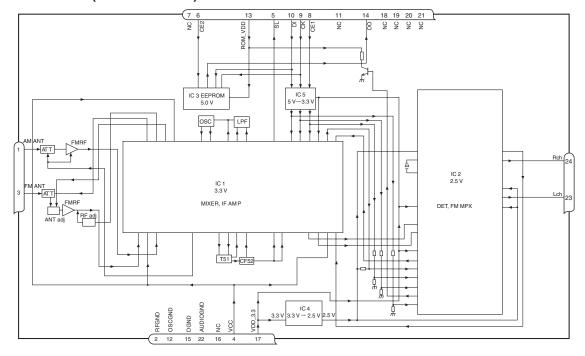
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## ● FM/AM Tuner Unit (AVIC-N4/XU/UC)



No.	Symbol	I/O	Explain	
1	AMANT	-	AM antenna input	AM antenna input high impedance AMANT pin is connected with
				an all antenna by way of 4.7 µH. (LAU type inductor) A series circuit
				including an inductor and a resistor is connected with RF ground for
				the countermeasure against the hum of power transmission line.
2	RFGND		RF ground	Ground of antenna block
3	FMANT	-	FM antenna input	Input of FM antenna 75 ohm Surge absorber (DSP-201M-S00B) is necessary.
4	VCC		power supply	The power supply for analog block. D.C 8.4 V $\pm$ 0.3 V
5	SL	0	signal level	Output of FM/AM signals level
6	CE2	- 1	chip enable-2	Chip enable for EEPROM "Low" active
7	NC		non connection	Not used
8	CE1	-	chip enable-1	Chip enable for AF•RF "High" active
9	CK	- 1	clock	Clock
10	DI	-	data in	Data input
11	NC		non connection	Not used
12	OSCGND		osc ground	Ground of oscillator block
13	ROM_VDD		power supply	Power supply for EEPROM pin 13 is connected with a power supply of
				micro computer.
14	DO	0	data out	Data output
15	DGND		digital ground	Ground of digital block
16	NC		non connection	Not used
17	VDD_3.3		power supply	The power supply for digital block. $3.3 \text{ V} \pm 0.2 \text{ V}$
18	NC		non connection	Not used
19	NC		non connection	Not used
20	NC		non connection	Not used
21	NC		non connection	Not used
22	AUDIOGND		audio ground	Ground of audio block
23	L ch	0	L channel output	FM stereo "L-ch" signal output or AM audio output
24	R ch	0	R channel output	FM stereo "R-ch" signal output or AM audio output

AVIC-N4/XU/UC

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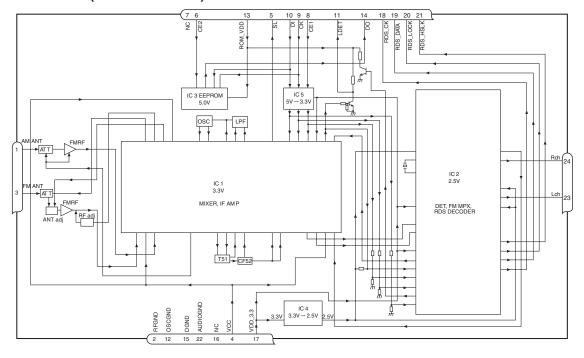
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## ● FM/AM Tuner Unit (AVIC-X3/XU/EW5)

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No.	Symbol	I/O	Explain				
1	AMANT	ı	AM antenna input	AM antenna input high impedance AMANT pin is connected with			
				an all antenna by way of 4.7 µH. (LAU type inductor) A series circuit			
				including an inductor and a resistor is connected with RF ground for			
				the countermeasure against the hum of power transmission line.			
	RFGND		RF ground	Ground of antenna block			
3	FMANT	ı	FM antenna input	Input of FM antenna 75 ohm Surge absorber(DSP-201M-S00B)is necessary.			
4	VCC		power supply	The power supply for analog block. D.C 8.4 V $\pm$ 0.3 V			
5	SL	0	signal level	Output of FM/AM signals level			
	CE2	I	chip enable-2	Chip enable for EEPROM "Low" active			
7	NC		non connection	Not used			
8	CE1	ı	chip enable-1	Chip enable for AF•RF "High" active			
9	CK	ı	clock	Clock			
10	DI	ı	data in	Data input			
	LDET	0	lock detector	"Low" active			
12	OSCGND		osc ground	Ground of oscillator block			
13	ROM_VDD		power supply	Power supply for EEPROM pin 13 is connected with a power supply of			
				micro computer.			
14	DO	0	data out	Data output			
15	DGND		digital ground	Ground of digital block			
16	NC		non connection	Not used			
17	VDD_3.3		power supply	The power supply for digital block. 3.3 V ± 0.2 V			
	RDS_CK	0	RDS clock	Output of RDS clock(2.5 V)			
19	RDS_DATA	0	RDS data	Output of RDS data(2.5 V)			
20	RDS_LOCK	0	RDS lock	Output unit "High" active(2.5 V) (RDS_LOCK turns over by the			
				external transistor. "Low" active)			
21	RDS_HSLK	0	RDS high speed	Output unit "High" active(2.5 V)(RDS_HSLK turns over by the			
			lock	external transistor. "Low" active)			
22	AUDIOGND		audio ground	Ground of audio block			
23	L ch	0	L channel output	FM stereo "L-ch" signal output or AM audio output			
24	R ch	0	R channel output	FM stereo "R-ch" signal output or AM audio output			

AVIC-N4/XU/UC

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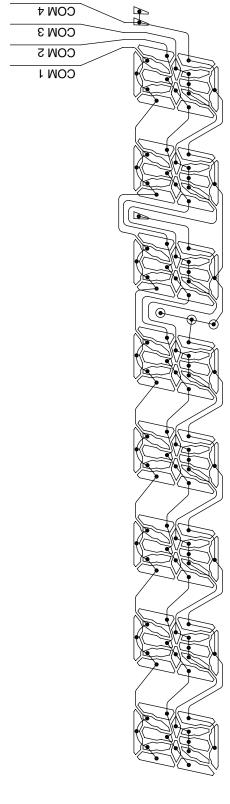
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#### ● LCD(CAW1950)

ИС COW 4 COW ¢ COM 3 COM 3 COMS COM 5 COW1 COM 1 SEC32 SEG34 SEC33 В SEG32 SEG31 SEC30 SEG29 SEG28 SEG27 SEG26 SEG25 С SEG24 SEG23 SEG22 SEG21 2EC50 SEG19 SEG18 SEG17 SEG16 D SEG15 SEG14

> SEG13 SEG12 SEG11 SEG10 SEC 6 SEC 8

ZEC 7 SEC 9 SEC 2 ZEC ¢ SEC 3 SEG 5 SEG 1



SEGMENT

COMMON

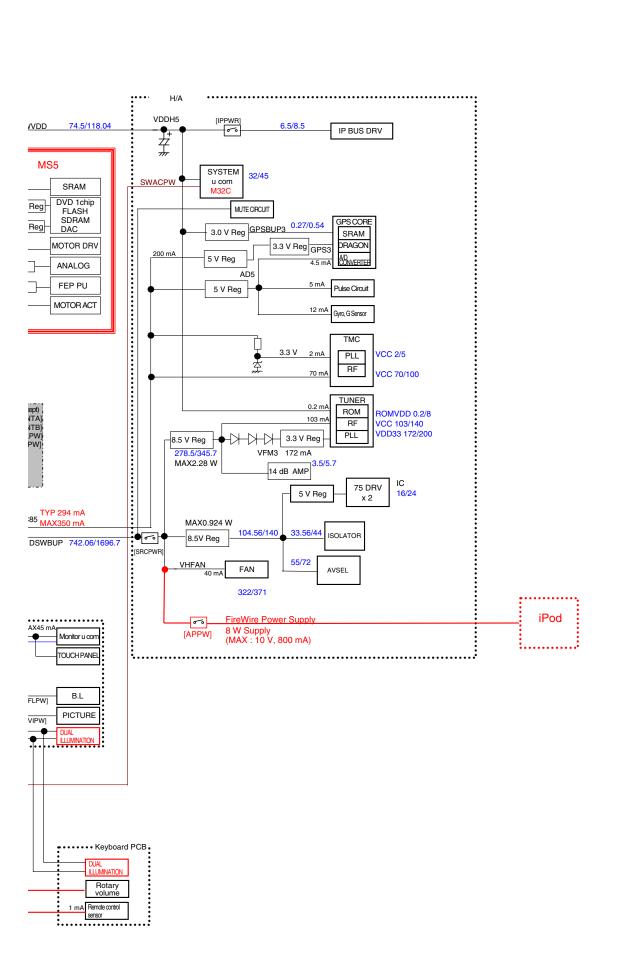
AVIC-N4/XU/UC

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AVIC-N4/XU/UC

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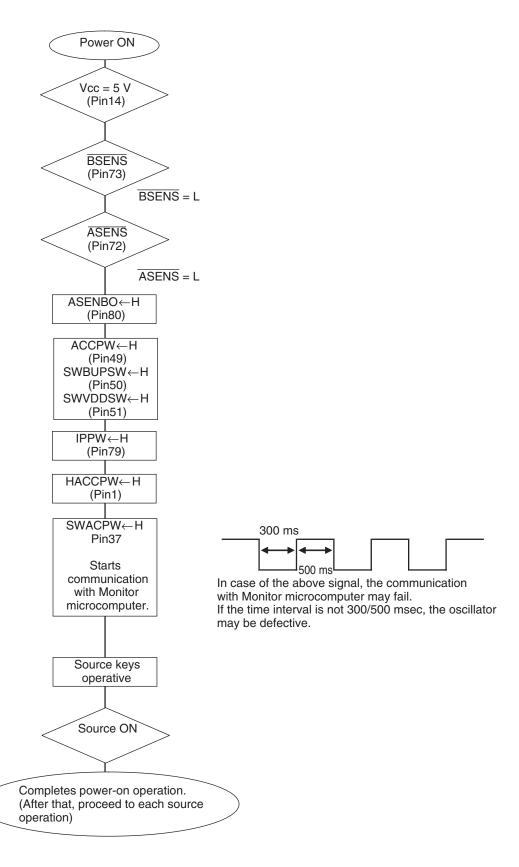
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# 5. DIAGNOSIS

## **5.1 OPERATIONAL FLOWCHART**

#### OPERATIONAL FLOW CHART(H/A UNIT SYSTEM MICROCOMPUTER)



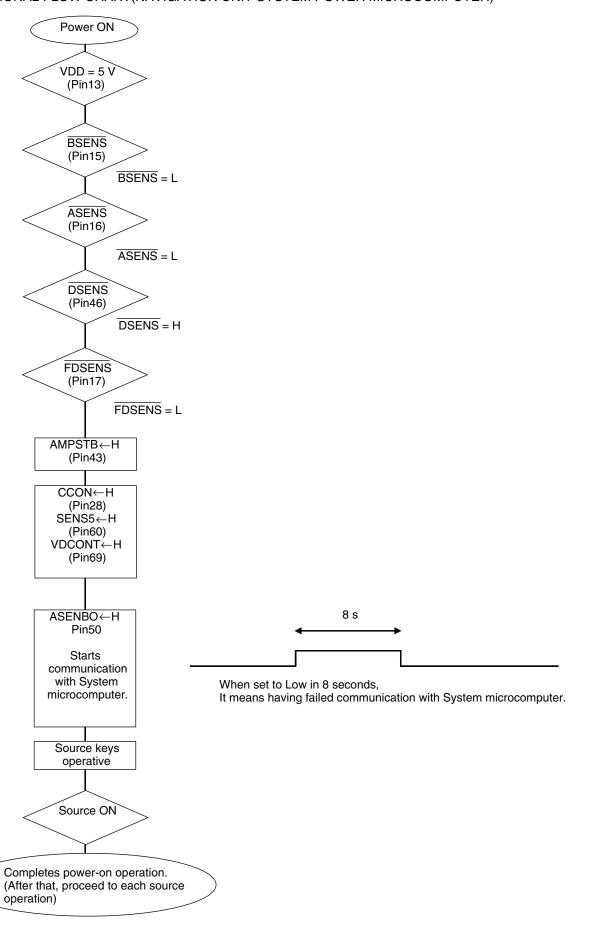
AVIC-N4/XU/UC

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#### OPERATIONAL FLOW CHART(NAVIGATION UNIT SYSTEM POWER MICROCOMPUTER)

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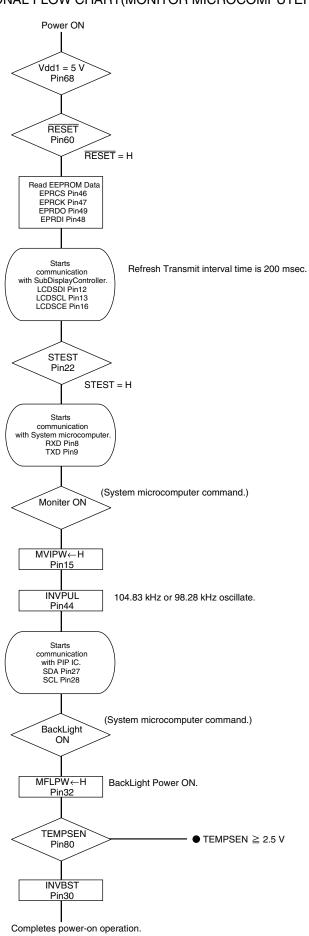
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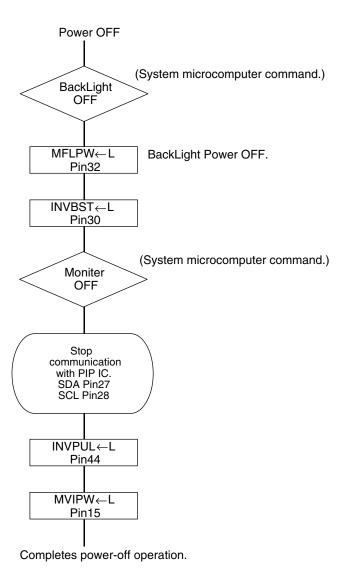
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AVIC-N4/XU/UC

## **5.2 DIAGNOSIS FLOWCHART**

**BACK END section flow** START ls VDD5 (VCC33, VCC12 Can the NO NO Standby OK? Execute check power supply voltage OK? Execute check 2. playback start? ΝO YES YES YES В Does the NO NO Is the image in error? Reset OK? Is the sound operation Execute check 3 in error? NO take time? YES YES YES YES s the life of flas Is AVCC5 voltage OK? Execute check 8. Is AVCC5 voltage OK? Execute check 8 Is SDRAM IF OK? Execute check 6 Is VSENS OK? Execute check NO, NO NO NO memory OK? Conduct check item 12 NO YES YES YES YES YES ls 27 MHz OK? С ls VD8, VCC5 power supply voltage OK? xecute check Is the video circuit OK?
Execute check 1 Is DACCLK normal? Execute check 9 NO NO NO NO Execute check 5 YES YES YES YES Go to FE Is the audio circuit OK? Replace the unit. NO section check Execute check 10. YES Go to FE section check D Repair the defective part. Go to FE section check NO Normal? YES FE section check. **END** Е NO Is FE section Go to FE related repair process. normal? YES Replace the unit. NO Normal? YES **END** 

AVIC-N4/XU/UC

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# Check 1: Standby OK?

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<Check> Check the voltage at the "STANBY" test point while the power is on. Use the "DGND1" test point at the reference.

NO.	Check point	Module No.	Specification value	Unit
1	STANBY-DGND1	ALL	VCC33 V-	V
			0.6 V or more	

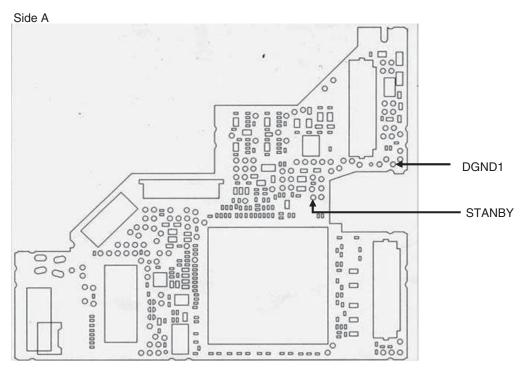


Fig 1.1: STANBY check point

AVIC-N4/XU/UC

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## Check 2: Is VDD5 (VCC33, VCC12) power supply voltage OK?

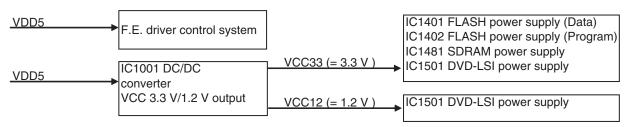


Fig 2.1: Power supply configuration

<Check> Check the voltage at the "VDD5\_3, VCC33\_3 and VCC12\_1" test point while the power is on. Use the "DGND1" test point at the reference.

NO.	Check point	Module No.	Specification value	Unit
1	VDD5_3 - DGND1	ALL	$5.0 \pm 0.4$	V
2	VCC33_3 - DGND1	ALL	$3.3 \pm 0.15$	V
3	VCC12_1 - DGND1	ALL	1.2 ± 0.12	V

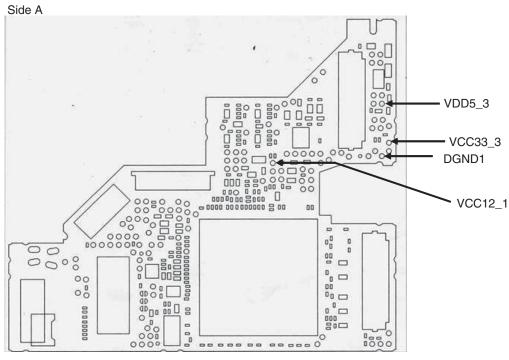


Fig 2.2: VDD5, VCC33, VCC12 voltage check points

AVIC-N4/XU/UC

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## Check 3: Reset OK?

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<Check> Check the voltage at the "XRES" test point while the power is on. Use the "DGND1" test point at the reference.

NO.	Check point	Module No.	Specification value	Unit
1	XRES-DGND1	ALL	VCC33 ×	V
			0.7 or more	

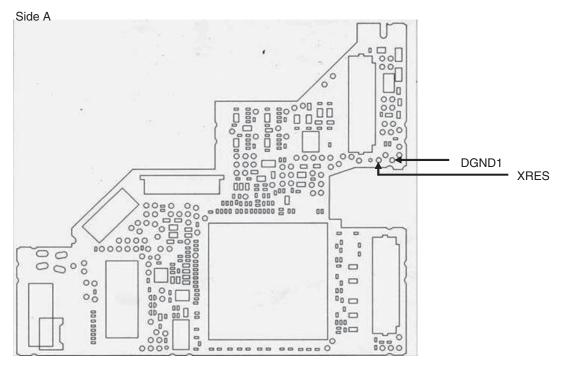


Fig 3.1: RESET check point

AVIC-N4/XU/UC

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#### Check 4: Is VSENS OK?

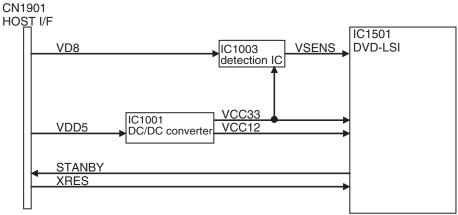


Fig 4.1: Power supply configuration and VSENS

<Check> Check the voltage at the "VSENS" test point while the power is on. Use the "DGND1" test point at the reference.

NO.	Check point	Module No.	Specification value	Unit
1	VSENS - DGND1	ALL	VCC33 × 0.7	V
			or more	

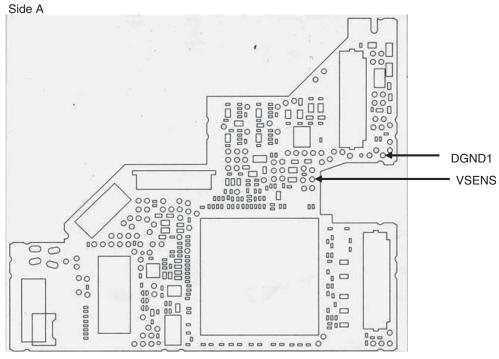


Fig 4.2: VSENS check point

AVIC-N4/XU/UC

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#### Check 5: 27 MHz Normal?

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<Outline> Each clock is created inside the IC1501 using the 27 MHz master crystal oscillator (X1501).

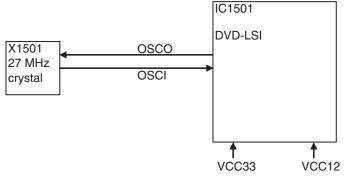


Fig 5.1: Clock configuration

<Check method> Turn the power on, and check with DGND being the reference.
In case of NG, check the applicable line, periphery of IC1501, soldering of the peripheral components and defective components.

NO.	Check point	Module No.	Specification value	Unit
2	IC1501 169pin	ALL	27 MHz	
	1C 1501 109piii	ALL	± 50 ppm	ppm

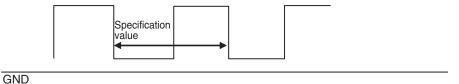
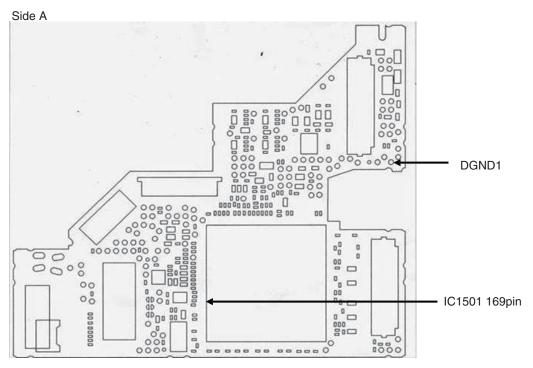


Fig 5.2: Clock specification value



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Fig 5.3: 27 MHz check point

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AVIC-N4/XU/UC

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## Check 6: Is SDRAM I/F OK?

<Outline> In order to secure the MPEG stream data as the buffer,

the capacity of communication I/F SDRAM between the LSI and the memory is 128Mbit. Be careful as XCSM, XWE, XCAS, XRAS and XSCM of IC1481 are called differently in IC1501, namely NCSM, NWE, NCAS, NRAS, NCSM.

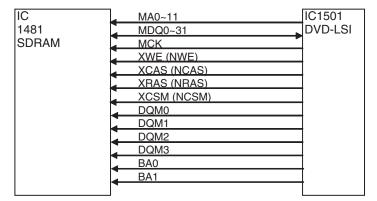


Fig 6.1: SDRAM I/F

AVIC-N4/XU/UC

<Check> Check the conductivity at "check point 1" and "check point 2" without power. In case of NG, check the soldering and defective components throughout the "output → input" of the applicable section.

NO.	Signal name	Check point	1	Check point	2	Specification value
1	MA0	IC1481	25pin	IC1501	16pin	56 Ω ± 5 %
2	MA1	IC1481	26pin	IC1501	18pin	$56 \Omega \pm 5 \%$
	MA2	IC1481	27pin	IC1501	20pin	$56 \Omega \pm 5 \%$
4		IC1481	60pin	IC1501	22pin	$56 \Omega \pm 5 \%$
5	MA4	IC1481	61pin	IC1501	21pin	$56 \Omega \pm 5 \%$
6	MA5	IC1481	62pin	IC1501	19pin	$56 \Omega \pm 5 \%$
7	MA6	IC1481	63pin	IC1501	17pin	56 Ω ± 5 %
8	MA7	IC1481	64pin	IC1501	15pin	56 Ω ± 5 %
9	MA8	IC1481	65pin	IC1501	11pin	$56 \Omega \pm 5 \%$
10	MA9	IC1481	66pin	IC1501	9pin	$56 \Omega \pm 5 \%$
11	MA10	IC1481	24pin	IC1501	14pin	$56 \Omega \pm 5 \%$
12	MA11	IC1481	21pin	IC1501	7pin	$56 \Omega \pm 5 \%$
	MDQ0	IC1481	2pin	IC1501	237pin	$56 \Omega \pm 5 \%$
	MDQ1	IC1481	4pin	IC1501	239pin	$56 \Omega \pm 5 \%$
15	MDQ2	IC1481	5pin	IC1501	241pin	$56 \Omega \pm 5 \%$
	MDQ3	IC1481	7pin	IC1501	243pin	$56 \Omega \pm 5 \%$
17	MDQ4	IC1481	8pin	IC1501		
	MDQ5	IC1481	10pin	IC1501	248pin 250pin	$56 \Omega \pm 5 \%$ $56 \Omega \pm 5 \%$
	MDQ6	IC1481	11pin	IC1501	252pin	$56 \Omega \pm 5 \%$
20	MDQ7	IC1481		IC1501		56 Ω ± 5 %
21	MDQ8	IC1481	13pin 74pin	IC1501	254pin 253pin	
22			74pin 76pin	IC1501		56 Ω ± 5 %
23	MDQ10	IC1481			251pin	56 Ω ± 5 %
	MDQ10	IC1481	77pin	IC1501	249pin	56 Ω ± 5 %
		IC1481	79pin	IC1501	244pin	56 Ω ± 5 %
25		IC1481	80pin	IC1501	242pin	56 Ω ± 5 %
	MDQ13	IC1481	82pin	IC1501	240pin	56 Ω ± 5 %
27	MDQ14	IC1481	83pin	IC1501	238pin	56 Ω ± 5 %
28		IC1481	85pin	IC1501	236pin	56 Ω ± 5 %
29	MDQ16	IC1481	31pin	IC1501	29pin	$56 \Omega \pm 5 \%$
30	MDQ17	IC1481	33pin	IC1501	31pin	56 Ω ± 5 %
31	MDQ18	IC1481	34pin	IC1501	33pin	56 Ω ± 5 %
32	MDQ19	IC1481	36pin	IC1501	37pin	56 Ω ± 5 %
33	MDQ20	IC1481	37pin	IC1501	39pin	56 Ω ± 5 %
34		IC1481	39pin	IC1501	41pin	56 Ω ± 5 %
35	MDQ22	IC1481	40pin	IC1501	43pin	$56 \Omega \pm 5 \%$
	MDQ23	IC1481	42pin	IC1501	45pin	56 Ω ± 5 %
37	MDQ24	IC1481	45pin	IC1501	44pin	56 Ω ± 5 %
38	MDQ25	IC1481	47pin	IC1501	42pin	56 Ω ± 5 %
39	MDQ26	IC1481	48pin	IC1501	40pin	56 Ω ± 5 %
	MDQ27	IC1481	50pin	IC1501	38pin	56 Ω ± 5 %
41		IC1481	51pin	IC1501	34pin	56 Ω ± 5 %
	MDQ29	IC1481	53pin	IC1501	32pin	56 Ω ± 5 %
	MDQ30	IC1481	54pin	IC1501	30pin	56 Ω ± 5 %
	MDQ31	IC1481	56pin	IC1501	28pin	$56 \Omega \pm 5 \%$
	MCK	IC1481	68pin	IC1501	234pin	$0.17 \Omega \pm \text{or lower}$
	XWE	IC1481	17pin	IC1501	3pin	56 Ω ± 5 %
47		IC1481	18pin	IC1501	4pin	56 Ω ± 5 %
	XRAS	IC1481	19pin	IC1501	5pin	56 Ω ± 5 %
	XCSM	IC1481	20pin	IC1501	6pin	56 Ω ± 5 %
50		IC1481	16pin	IC1501	255pin	$56 \Omega \pm 5 \%$
51	DQM1	IC1481	71pin	IC1501	256pin	56 Ω ± 5 %
	DQM2	IC1481	28pin	IC1501	26pin	$56 \Omega \pm 5 \%$
53		IC1481	59pin	IC1501	27pin	56 Ω ± 5 %
	BA0	IC1481	22pin	IC1501	8pin	$56 \Omega \pm 5 \%$
55	BA1	IC1481	23pin	IC1501	10pin	$56 \Omega \pm 5 \%$

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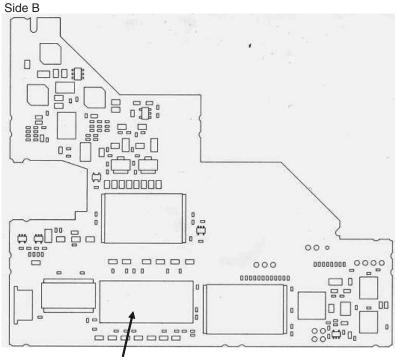
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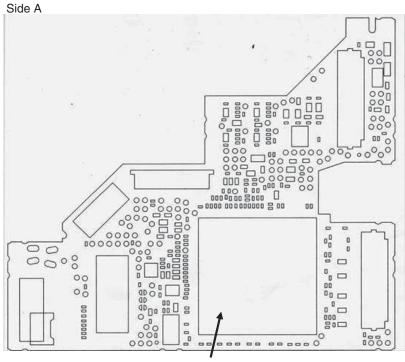
Check point 1 (IC1481)

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Check point 2 (IC1501)

Fig 6.2: SDRAM I/F check point

AVIC-N4/XU/UC

## Check 7: Is VD8, VCC5 power supply voltage OK?

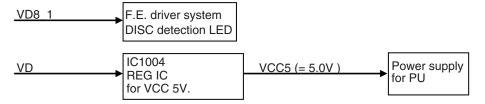


Fig 7.1: Power supply configuration

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<Check> Check the voltage at the "VD8\_1, VD and VCC5\_1" test point while the power is on. Use the "PGND3 and AGND1" test point at the reference.

NO.	Check point	Module No.	Specification value	Unit
1	VD8_1 - PGND3	ALL	$8.0 \pm 0.4$	V
2	VD - PGND3	ALL	$8.0 \pm 0.4$	V
3	VCC5_1- AGND1	ALL	$5.0 \pm 0.1$	V

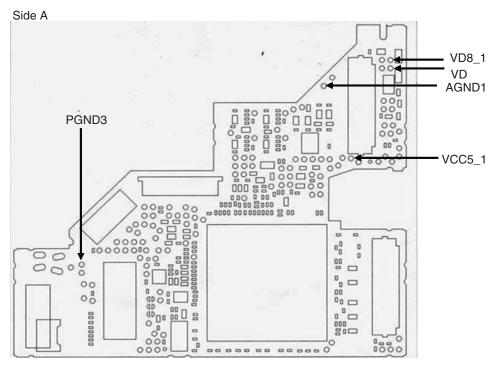


Fig 7.2: VD8, VCC5 voltage check points

AVIC-N4/XU/UC

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# Check 8: Is AVCC5 voltage OK?

VD IC1005
REG IC
for AVCC 5 V.

AVCC5 (= 5.0 V )
IC1801
Audio-DAC

Fig 8.1: Power supply configuration

<Check> Playback DVD-REF-A1 TITLE 1 and check the voltage at the stylus. Check with PGND and GNDAU being the reference.

NO.	Check point	Module No.	Specification value	Unit
1	VD - PGND_3	ALL	$8.0 \pm 0.4$	V
2	AVCC5 - GNDAU1	ALL	5.0 ± 0.1	V

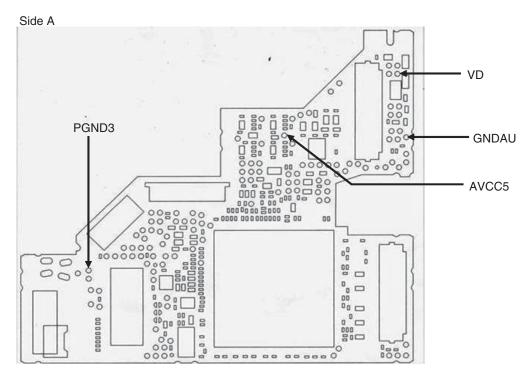


Fig 8.2: VD8, AVCC5 voltage check points

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#### Check 9: Is DACCLK normal?

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<Outline> DACCLK for Audio-DAC is created by IC1501 using the 27 MHz master crystal oscillator (X1501).

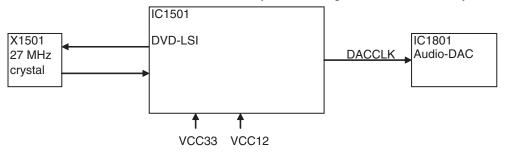


Fig 9.1: Clock configuration

<Check method>

DVD: DVD-REF-A1 TITLE 1

CD: Playback a normal CDDA.

Common to all DVD-V compatible modules.

Check with DGND being the reference.

In case of NG, check the applicable line, the periphery of IC1501, soldering of the peripheral components and defective components.

NO.	Check point 1 (stylus)	Media	Specification value 1	Specification value 2	Specification value 3
1	DACCK	DVD	2.0 V~VCC33 V	DGND~0.8 V	36.8640 MHz±300 ppm
2	DACCK	CD	2.0 V~VCC33 V	DGND~0.8 V	33.8688 MHz±300 ppm

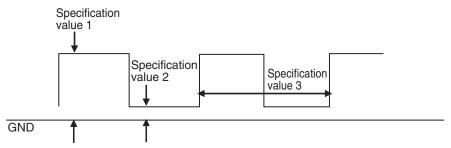


Fig 9.2: Clock specification value

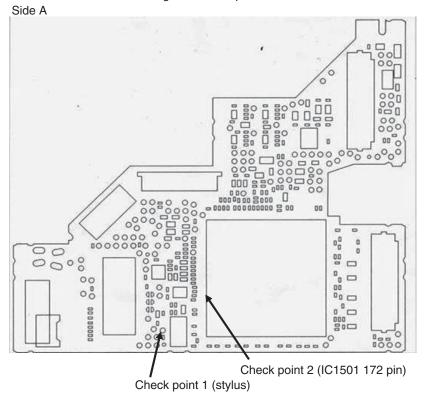


Fig 9.3: 27 MHz, DACCLK check point

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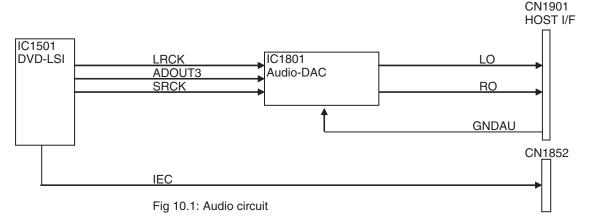
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#### Check 10: Is the audio circuit OK?

<Outline> The serial 3 lines digital output + DACCLK, output from DVD-LSI (IC1501), are converted to analog audio signal at Audio-DAC (IC1801) and are output from the HOST I/F (CN1901).
Simultaneously, the analog MUTE signal is also output from DVD-LSI (IC1501) via the HOST I/F.
The digital audio signal (IECOUT), output from DVD-LSI (IC1501), is output via CN1852.



<Check method> Playback DVD-REF-A1 TITLE 2 CHAPTER 1 (48 k/16 bit 1 kHz 0 dB), and check with DGND being the reference.

In case of NG, check the applicable line, periphery of major components as described in the above drawing, soldering of the peripheral components and defective components.

NO.	Check point 1 (stylus)	Specification value 1	Specification value 2	Reference waveform
1	ADOUT3	VCC33 V-0.6 V or higher	0.4 V or lower	Waveform 1
2	SRCK	VCC33 V-0.6 V or higher	0.4 V or lower	Waveform 2
3	LRCK	VCC33 V-0.6 V or higher	0.4 V or lower	Waveform 3

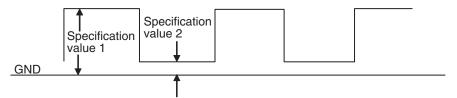


Fig 10.2: Serial 3 lines specification value

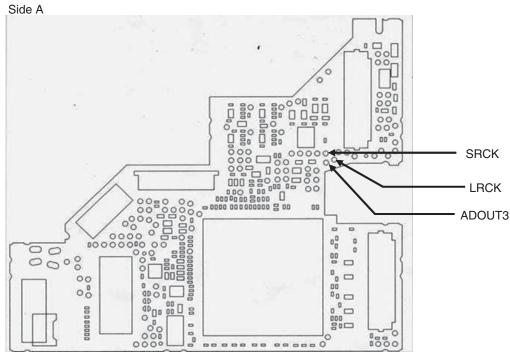
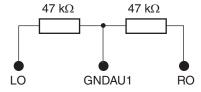


Fig 10.3: Serial 3 lines check points

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The following checks shall be conducted using the following measurement circuits with GNDAU1 being the reference.



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NO.	Ch	eck point 1 (stylus)	Specification value	(rms)	Reference waveform
	4 LO		1 400 ± 150 mV		Waveform 4
5	5 RO		1 400 ± 150 mV		Waveform 4

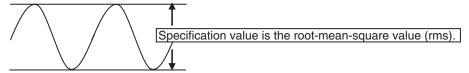


Fig 10.4: Analog audio out (LO, RO) specification value.

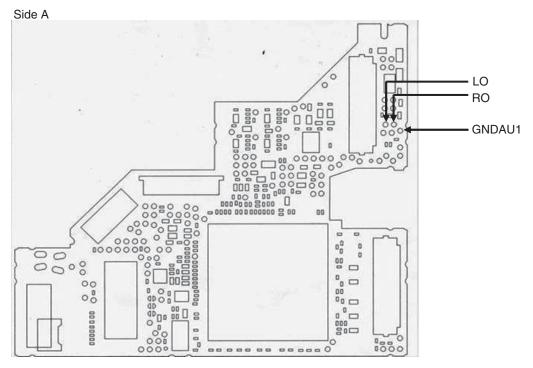


Fig 10.5: Analog audio out check point

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Check with DGND being the reference. Check 2pin cord after connecting it to a jig, etc.

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NO.	Check point 1 (stylus)	Specification value 1	Specification value 2	Reference waveform
6	IEC	VCC33 V-0.6 V or higher	0.4 V or lower	Waveform 5

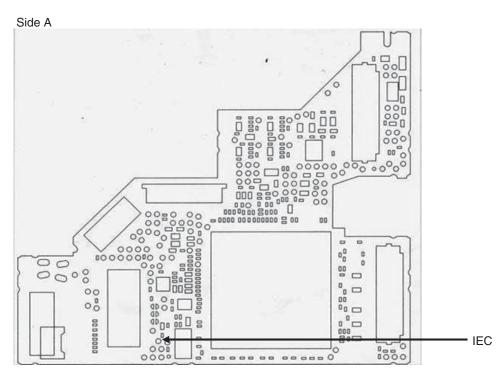
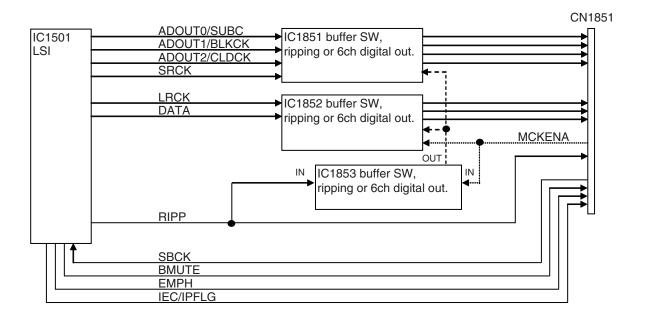


Fig 10.6: Digital audio signal (IECOUT) check point

<Outline> At the time of 6ch digital out, the serial 6 lines output from DVD-LSI (IC1501) is output via CN1581.
Furthermore, at the time of ripping, the serial 3 lines digital output + SUBC, output from DVD-LSI (IC1501), is output in 4 times speed via CN1851.

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The signal at CN1851 for 6ch digital out/Ripping.

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Pin No.	Pin name	6ch digital out	Ripping
2	SRCK	SRCK	SRCK
4	LRCK	LRCK	LRCK
6	AD0/SUBC	ADOUT0	SUBC
8	AD1/BLK	ADOUT1	BLKCK
10	AD2/CLD	ADOUT2	CLDCK
12	AD3/DATA	ADOUT3	DATA
14	IEC/IPFLG	IEC	IPFLG
16	-	-	-
18	SBCK	-	SBCK
20	BMUTE	BMUTE	-
21	MCKENA	Low	High
22	RIPP	High	Low
23	EMPH	EMPH	EMPH
Pins 1, 3, 5, 7, 9, 11, 13, 15, 17, 19 and 24 are GNDD.			

Fig 10.7: 6ch digital out/Ripping circuit

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Playback DVD-REF-A1 TITLE22 CHAPTER 1, and check with GNDD being the reference. In case of NG, check the applicable line, the periphery of the major components in the drawing above, soldering of the peripheral components and defective components.

Check 24pin FFC after connecting it to a jig, etc.

NO.	Check point 1 (stylus)	Specification value 1	Specification value 2
7	SRCK	VCC33 V-0.6 V or higher	0.4 V or lower
8	LRCK	VCC33 V-0.6 V or higher	0.4 V or lower
9	ADOUT0	VCC33 V-0.6 V or higher	0.4 V or lower
10	ADOUT1	VCC33 V-0.6 V or higher	0.4 V or lower
11	ADOUT2	VCC33 V-0.6 V or higher	0.4 V or lower
12	IEC	VCC33 V-0.6 V or higher	0.4 V or lower
13	MCKENA	-	VCC33 V x 0.3 V or lower

Rip common CDDA, and check with GNDD being the reference.

In case of NG, check the applicable line, the periphery of the major components in the drawing above, soldering of the peripheral components and defective components.

Check 24pin FFC after connecting it to a jig, etc.

NO.	Check point 1 (stylus)	Specification value 1	Specification value 2
14	SRCK	VCC33 V-0.6 V or higher	0.4 V or lower
15	LRCK	VCC33 V-0.6 V or higher	0.4 V or lower
16	SUBC	VCC33 V-0.6 V or higher	0.4 V or lower
17	BLKCK	VCC33 V-0.6 V or higher	0.4 V or lower
18	CLDCK	VCC33 V-0.6 V or higher	0.4 V or lower
19	DATA	VCC33 V-0.6 V or higher	0.4 V or lower
20	SBCK	VCC33 V-0.6 V or higher	0.4 V or lower
21	RIPP	-	VCC33 V x 0.3 V or lower

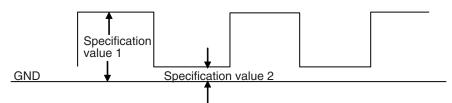
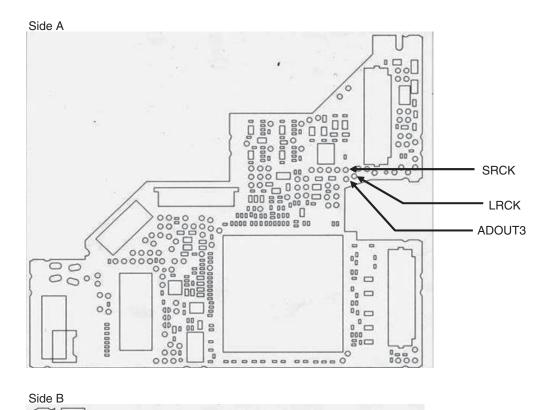


Fig 10.8: 6ch digital out/Ripping specification value

В



5

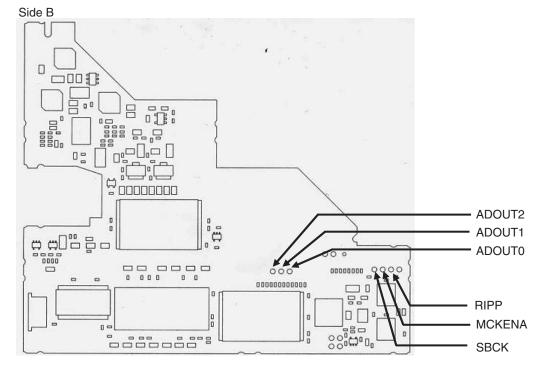


Fig 10.9: 6ch digital out/Ripping check point

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#### Check 11: Is the video circuit OK?

<Outline> Composite signal and component signal are output from DVD-LSI (IC1501), and are output from the HOST I/F (CN1901) via a buffer circuit.

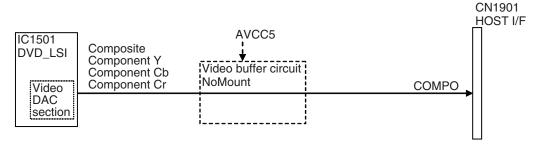


Fig 11.1: Video circuit

<Checking method> Playback DVD-REF-A1 TITLE2 CHAPTER5 (WHITE 100%), and monitor COMPO signal with an oscilloscope with GNDV1 (stylus) being the reference. Set the trigger mode to "TV trigger" and the trigger line to "150 line".

Check point 1 (stylus)

NO.		Specification value	Reference waveform
1	COMPO	1 000 mVpp ± 5 %	Waveform 6

In case of NG, check the applicable line, the periphery of the major components in the drawing above, soldering of the peripheral components and defective components.

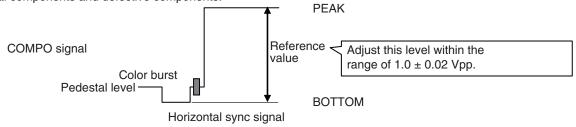


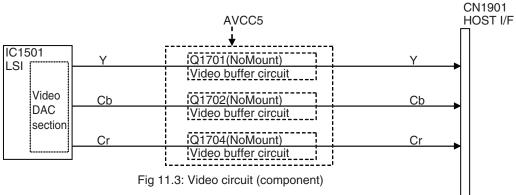
Fig 11.2: Waveform for the case of composite white 100% output

<Video level readjustment method>

In case the video composite output is outside of the specification value, readjust the level according to the method described below.

Turn the volume (VR1671) to adjust the video level within the range of 1.0  $\pm$  0.02 Vpp.

The adjustment specification is 1.0  $\pm$  0.02 Vpp.



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<Checking method> Playback DVD-REF-A1 TITLE2 CHAPTER19 (100% Color Bars), and monitor Y, Cb, and Cr signal with an oscilloscope with GNDV1 (stylus) being the reference. Set the trigger mode to "TV trigger" and the trigger line to "150 line".

NO.	Check point 1 (stylus)	Specification value	Reference waveform
2	Υ	1 000 mVpp ± 5%	Waveform 7
3	Cb	700 mVpp ± 5%	Waveform 7
4	Cr	700 mVpp ± 5%	Waveform 7

In case of NG, check the applicable line, the periphery of the major components in the drawing above, soldering of the peripheral components and defective components.

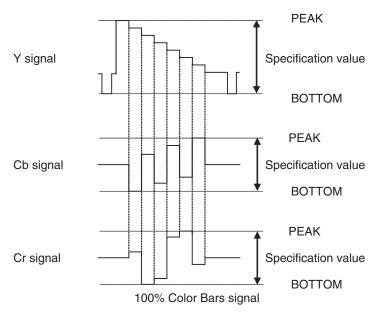


Fig 11.4 Waveform for the case of component 100% Color Bars output

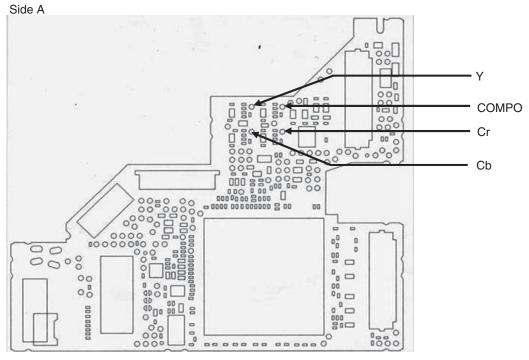


Fig 11.5: VIDEO signal check point

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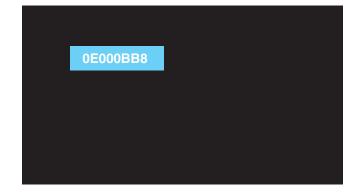
## Check 12:How to judge whether the flash memory has reached its life or not.

A If the reaction to user operation is slow or operation is slow in general, there is a possibility that the flash memory has reached its life.

Make judgment regarding the flash memory life by looking at the display of the LD energizing time.

- 1.Let the LD energizing time displayed.
- (Refer to the FE test mode for the method of displaying the LD energizing time.)
- 2.If the second digit from the left of the energizing time display is showing E, such as "\*E\*\* \*\*\*\*, it means that the flash memory has reached its life.

#### Example:



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Meaning

A disc containing the unplayable Format only

(A focus has never been achieved with that

(The pick up tries to return to carriage

home, but it cannot go back and stopped.)

ID/SUBCODE Read Error (ID/SUBCODE

(Playback is stopped because the pick up

(Including Load in process or Eject in process.)

(All music cannot be played back due to DRM.)

Region code NG (Unable to be played back

Playback the illegally copied disc by DVD-A

(Mute the sound on the mechanism side.)

Failure in issuing the read command

Servo initial setting related items NG.

due to incorrect mechanism region.)

cannot be read due to scratch or stain.)

**UART** 

\*2

00h

10h

20h

21h

22h

23h

24h

25h

26h

2Ah

2Bh

2Ch

2Dh

30h

40h

50h

70h

90h

91h

93h

\*6

A0h

A1h

A2h

A3h

A4h

A5h

A6h

A7h

A8h

A9h

AAh

ABh

B0h

B1h

FFh

Door open error

Focus error

disc.)

Transfer start error

Address not found.

(the disc cannot rotate) Carriage home NG

AV CHIP decode NG

AV CHIP recovery NG

Playback state error

Disc Data NG

DRM error

High temperature

(AV chip cannot be decoded.)

(An error due to software bug.)

temperature is 89 °C or higher.)

Disc has not been inserted.

Loading mechanism error

Key Error for playback

Key Error for playback

**REQUEST** error

L0 adjustment is NG

L1 adjustment is NG

Gain adjustment system NG.

Gain determining system NG

Disc is not clamped yet.

Media setting system NG

Navigation command error

Tracking system NG

JUMP over layers NG

LD system NG

(The disc cannot be clamped.)

Spindle lock NG

Focus error during set up

OSD \*1

It is a disc unable to be played back.

NON-PLAYABLE DISC

(No display)

ERROR-02-99

ERROR-02-90

ERROR-02-9E

ERROR-02-80

ERROR-02-91

ERROR-02-92

ERROR-02-94

FRROR-02-9A

ERROR-02-9B

ERROR-02-9C

FRROR-02-9D

being activated.

(No display)

(No display)

(No display)

ERROR-02-A0

ERROR-02-A1

ERROR-02-A2

ERROR-02-A3

FRROR-02-A4

ERROR-02-A6

ERROR-02-A8

ERROR-02-A9

ERROR-02-AA

ERROR-02-AB

ERROR-02-B0

ERROR-02-B1

**ERROR-FF-FF** 

It is a protected disc.

PROTECTED DISC

NON-PLAYABLE DISC

NON-PLAYABLE DISC

Region code is incorrect

DIFFERENT REGION DISC

It is a disc unable to be played back.

Temperature protection circuit is

THERMAL PROTECTION IN MOTION

Method of reset

Eject

Χ

Χ

Χ

Х

Х

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Χ

Χ

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X

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X

Χ

Χ

Х

Χ

Χ

Χ

Play Key

Χ

Χ

Χ

Χ

Χ

Χ

Χ

Х

Χ

Χ

Χ

Source

Off/On

Х

Х

Χ

Х

Х

Х

Х

Χ

Х

Х

Х

Χ

Х

Χ

Х

Χ

Х

Χ

X

X

Χ

Χ

Χ

ACC

Off/On

Х

Χ

Χ

Χ

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Χ

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Error status

Focus Error(Focus Error

in mechanism set up)

Media Error

Read Error

Surface Error

(Invalid Track)

Spindle Lock

Status

No Disc

Disc Data Error

(In Case of High

(including Disc loading

Loading\_Mecha Error

Region code Error NG

CPPM\*3 Key Error \*4

CPRM Key Error \*7

AWM\*5 Error \*4

REQUEST error

LD system NG

Focus Error

Mode Status Error of PLAY BACK

Mode Status **Undefined Error** 

Failure in issuing read

Adjustment of L1 is NG.

Disc is not clamped yet.

Media setting system NG.

Tracking system NG.

Error of PLAY BACK

command (chip dependent) Adjustment of L0 is NG

Gain determining system NG.

Gain adjustment system NG. ERROR-02-A5

Servo initial setting related items NG. ERROR-02-A7

Temperature)

and ejecting)

DRM Error

Temp Error

Carriage HOME

ID/SUBCODE Read Error

AV CHIP decode Error

AV CHIP Recovery NG

Error of PLAY BACK Mode

Address not found

Open

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	*6	No
=	*7	CF
		/D

X: Cancel the error by operation: Error is not cancelled by operation. *: No setting
*1 A content displayed on OSD. As for the items having multiple display patterns, the upper row is for the Japanese version Full GUI, and the lower row is for the Touch Panel model and Full GUI (English version).
*2 A parameter of UART command, such as "receipt error notice", that the DVD mechanism transmits.
*3 CPPM(Content Protection for Prerecorded Media): A copyright protection technique used in DVD-A. The protection is realized by using the keys recorded on the media and the device key held by the player.
*4 DVD-A compatible model only.
When an error has occurred, only the audio output will be muted but playback operation will continue. Furthermore, acceptance of the user operation will be
the same as usual.
*5 AWM (Audio WaterMark): Electronic watermark. Information on the copyright owner or CCI (copy control information) are recorded so that illegally copied
discs can be identified.
*6 Nation on an array status will not be given

Retry over

Undefined error

pass can be read a properties.

PRM(Content Protection for Recordable Media): A copyright protection technique for digital contents used for re-writable DVD or memory card. (DVD-VR model only)

## **CONNECTOR FUNCTION DESCRIPTION**

12: FLONT LOUT

2: SW ROUT 1: SWGND

3 : NC

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RCA

13 : BREM 14 : WREM SEL 15 : WREM IN

6: REAR ROUT

7 : NC

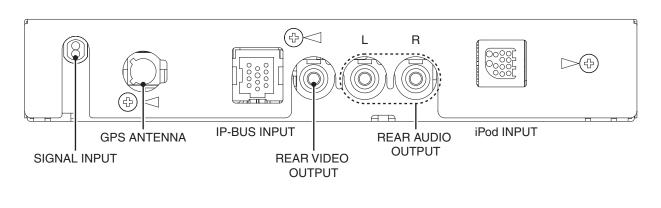
5: REAR GND 4 : SW LOUT

DIGITAL OUTPUT 0 14: CELL MUTE 7 9 11 13 15 10 12 14 16 9 : PKB 10 : GND 12: AANT 15 : BUP 16 : GND 11: ACC 13 : ILM POWER SUPPLY 1 3 4 5 6 5 2 : RL-3 : FL+ 4 : RL+ 5 : FR-6 : RR-7 : FR+ 8 : RR+ 1 : FL-30 0 29 (F) 21: BSENS 22: SWACPW 23: MTOH 24: HTOM 2 | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 28 | 3 | 5 | 7 | 9 | 11 | 13 | 15 | 17 | 19 | 21 | 23 | 25 | 27 | 3 25: HTOP 26: PTOH 27: SWVDD 28: FM85 29: SWBUP 30: GND **(**4) 4 18: MUTEAMP 12: CTOGPS 13: GPSTOC 17: MUTEVOL 19: ASENBO 20: RESET 14 : RETV 15 : VGND 16: WREM GND 17: SPM 18: GUIDE ON 19: SPP 20: GUIDE GND TO H/A 11 : VCK 16: RQ 2: RETL 3: ISOGND 4: SELR 5: SELL 6: GNDISO 7: SELV 1: RETR 8: GNDV 10: FLONT ROUT 8: REAR LOUT 9: FLONT GND 2 4 6 8 10 EXTENSION 4: CTOEX 5: EXTOC 6: HYOKA 10: TAGND 2 : NC 3 : GNDD 7: CTOTA 8: TATOC 2 1 : NC က

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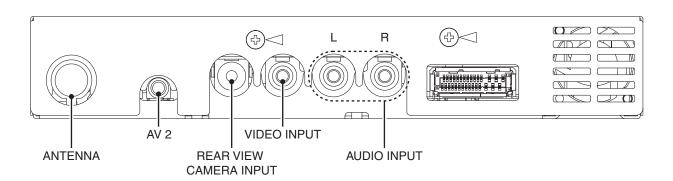
С



1: BUS+ 2: IPBUSG 3: IPLG 4: NC 5: BUS-6: IPRG 7 : Lch

8: ASENBO 9: Rch 10: Rch\_GND 11: Lch\_GND

8 13 12 1: F/W GND 2: F/W PWR **GNDE** 3: TXiPod 4: ACCID 5: LOUT 6: RXiPod 7: VOUT 8: ROUT 9: GNDD 10: ACCPW 11: ACCDET 12: V\_RETURN 13: A\_RETURN



#### TO NAVI

**GNDE: SHIELD GND** 

	2	4	1 6	6	3   1	0 1	2 1	4 1	6	18	20	22	24	26	3   28	3 3	0
1		3	5	7	9	11	13	15	17	1	9 2	1 2	23	25	27	29	

1: RETR 11: VCK 21 : BSENS 2: RETL 12: CTOGPS 22: SWACPW 3: ISOGND 13: GPSTOC 23: MTOH 4: SELR 14: RETV 24: HTOM 5: SELL 15: VGND 25: HTOP 6: GNDISO 16: RQ 26: PTOH 7: SELV 17: MUTEVOL 27: SWVDD 8: GNDV 18: MUTEAMP 28: FM85 9: VST 19: ASENBO 29: SWBUP 10: VDT 20: RESET 30: GND

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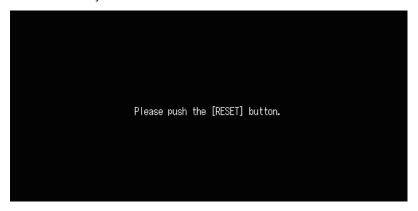
# 6. SERVICE MODE 6.1 TEST MODE

## 1. How to start the test mode

- 1. Service Specification
  - 1. When +Battery and ACC are ON, push RESET and EJECT buttons simultaneously.
  - 2. Release RESET button only.
  - 3. When "Password Entry Screen" is displayed, release EJECT button.
  - 4. Enter the password.
  - 5. If the correct password has been entered, the test mode menu will be displayed.

```
<< Password for the service >> [8] \rightarrow [1] \rightarrow [8] \rightarrow [7] \rightarrow [2] \rightarrow [0] \rightarrow [8] If 8 digits or more are entered and [ENTER] key is pressed, it will be treated as a password error.
```

• Password Entry Screen



• Password OK: After 2 seconds or so, the screen will automatically move on to the menu screen



• Password error: Nothing will be displayed, and reboot action will be taken.

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## 2. How to operate in the Test Mode

1

Use the remote controller for operation (Part No.:CXC6317 SW1:AVH SW2:DVD)

2

Key notation in the test mode	Operation	Key allocation
UP	Cursor upward movement ↑	Ten-key 2
DOWN	Cursor downward movement $\downarrow$	Ten-key 8
==> next ==>	Cursor rightward movement (to the next page) →	Ten-key 6
<== <== back	Cursor leftward movement (to the previous page) ←	Ten-key 4
OK ENTER	Selection / Execution	Ten-key 5
BACK	Go back / cancel	Ten-key C
NAVI	-	Ten-key 7
MENU	-	Ten-key 0

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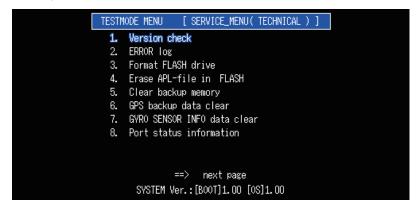
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- 1. Production Engineering Specification
- 2. Service Specification
  - OS Version

[1st Page]



No	Inspection item	Outline of inspection	Content of inspection
1	Version check	Version check	Display of various version information (system software, GPS, application, system microprocessor, etc.)The system will return to "menu" by BACK key. ( )
2	ERROR log	Error history entry	History of system software errors stored in SRAM is displayed.  Maximum 24 events can be displayed, with the error last occurred on the top. The system will return to "menu" by BACK key.
3	Format FLASH drive	FLASH format	FLASH domain used by the file system is initialized. When the job is done, the screen will return to "menu".
4	Erase APL-file in FLASH	Clearing application files within FLASH	Files except for files related to the SRAM backup variable are cleared. When the job is done, the screen will return to "menu".
5	Clear backup memory	Back up variables initialization	SRAM domain used by the system software is initialized. When the job is done, reboot action will be taken.
6	GPS backup data clear	GPS back up data clear	SRAM domain used by GPS is initialized. When the job is done, the screen will return to "menu".
7	GYRO SENSOR INFO data clear	Clearing learned data inside gyro sensor	Learned data inside gyro sensor is cleared. When the job is done, the screen will return to "menu".
8	Port status information	Port status display	Port status is displayed (reverse, parking, pulse.)

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TESTMODE MENU [ SERVICE\_MENU( TECHNICAL ) ]

1. Change to display error [Message]
2. Start within debug shell [Off]
3. Program loading [Disc & Card]
4. GPS assessment
5. File maintenance
6. Program forced write

<== back page ==> next page

SYSTEM Ver.:[BOOT]1.00 [OS]1.00

No	Inspection item	Outline of inspection		Content of in	nspection
1	Change to display error	Switching of error information display		ng for error cases essage)/Informati	(for debugging) on (error information) selectable.
2	Start within debug shell	Switching of debug shell start		ebug shell start (fo start)/On (initial s	
3	Program loading *Not yet supported	Switching of program loading	_	e recording media rsion upgrade	to be referred to in the program
	in 07 Overseas models		Disc	System program	Write when the version No. in the disc is higher.
	models		(default)	System data	Write when the version No. in the disc is higher.
				GPS program	Write when the version No. in the disc is higher.
				Application program	Write when the version information is different from the one in disc.
			Disc & Card	System program	Write when the version No. in disc or card is higher.
			(for debugging)	System data	Write when the version No. in disc or card is higher.
				GPS program	Write when the version No. in disc or card is higher.
				Application program	Write when the version No. in disc or card is higher.
4	GPS assessment	GPS assessment system start		ment system can ACK key. (🔁)	be used. The system will return to
5	File maintenance	File maintenance function	and PC card	(ATA Flash Card) PC card. Data re	are made: Formatting of SRAM drive are made. SRAM data is retrieved etrieved from SRAM is copied to
6	Program forced write	Program forced write	by force. Flags	in the initial status a	aPS) and APL (application) software are done are switched, and the language setting is stem will return to "menu" by BACK key. (五)

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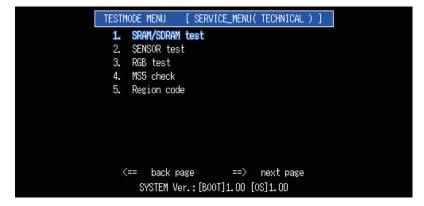
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No	Inspection item	Outline of inspection	Content of inspection
1	SDRAM/SRAM test	Memory inspection	SDRAM: Device inspection and bus inspection are performed against SDRAM domains. Data will be protected for both BIOS domain and USER domain. SRAM: Device inspection and bus inspection are performed against all SRAM domains. Data will be protected.
2	SENSOR test	Sensor inspection	G sensor, gyro, power supply voltage and installation conditions are displayed. The system will return to "menu" by BACK key.
3	RGB test	Image RGB inspection	RGB inspection The display will be as follows: red (FULL) $\rightarrow$ green (FULL) $\rightarrow$ blue (FULL) $\rightarrow$ color pattern (upper half in 8 colors of black/blue/red/pink/ green/light blue/yellow/white & lower half in 3 colors of red/green/blue). The display is toggled by the [ $\leftarrow$ ] and [ $\rightarrow$ ] keys. The system will return to "menu" by BACK key. ( $\blacktriangleright$ )
4	MS5 check	MS5 check	MS5 mechanism test mode inspection
5	Region code	Region code display	Region code display

## 4. Version information

SYSTEM Ver.:[BOOT]X.XX

Version No. for BOOT section = X.XX System software does not exist.

SYSTEM Ver.:[BOOT]X.XX [OS]Y.YY

Version No. for BOOT Section = X.XX Version No. of the system software = Y.YY

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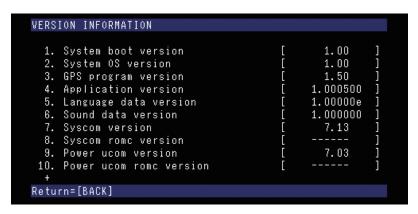
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[1st Page]

1

## 1. Version check

Version Information Screen



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Item Description

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Items   Continue   Continue   Continue   Displayed information of the system coffee   Characteristic   Cha		-			
System bood Western information of the system software ("\"\"\")-\Version information of the system software BOOT section (EASH) is displayed ("\"\")-\Version information of the system of the system book wersion software OS section (EASH) is displayed ("\"\")-\Version information of the GPS program desart sosts.  Program (PLASH) is displayed ("\"\")-\Version information of the GPS program desart sosts.  Application program (PLASH) is displayed ("\"\")-\Version information of the larguage data (ELASH) is displayed ("\"\")-\Version information of the larguage data (ELASH) is displayed ("\"\")-\Version information of the larguage sound data.  Sound data (ELASH) is displayed ("\"\")-\Version information of the larguage sound data.  Sound data (FLASH) is displayed ("\"\")-\Version information of the larguage sound data.  Sound data (FLASH) is displayed.  ("\"\")-\Version information of the larguage ("\"\")-\Version information of the larguage sound data.  System microprocessor is displayed.  ("\"\")-\Version information of the proper ("\"\")-\Version information of the proper supply microprocessor respiration of the proper supply microprocessor is displayed.  ("\"\")-\Version information of the proper ("\"\")-\Version information of the proper supply microprocessor is displayed.  ("\"\")-\Version information of the proper ("\"\")-\Version information of the proper supply microprocessor is displayed.  ("\"\")-\Version information of the proper ("\"\")-\Version information of the proper supply microprocessor is displayed.  ("\"\")-\Version information of the proper ("\"\")-\Version information of the proper supply microprocessor for mechanism control is displayed.  ("\"\")-\Version information of the proper ("\"\")-\Version information of the proper supply microprocessor is displayed.  (\"\"\")-\Version information of the proper (\"\"\")-\Version information of the proper supply microprocessor is displayed.  (\"\"\")-\Version information of the proper (\"\"\"\"\")-\Version information of the proper supply microprocess		Item	Content	Displayed Information	File name
System OS version information of the system version settwee OS section (T-A24H) is displayed  Application version information of the application  ING 1-A4Psison information of the application with the system microprocessor is displayed.  ING 1-A4Psison information of the application with the incorporocessor for monitor application with the incorporocessor for monitor has not been established on incorporocessor in monitor is displayed.  ING 1-A4Psison information of the application with the incorporocessor for monitor is displayed.  ING 1-A4Psison information of the application were information of the microprocessor for monitor is displayed.  ING 1-A4Psison application were information of the microprocessor for monitor is displayed.  ING 1-A4Psison application were information of the microprocessor for monitor is displayed.  ING 1-A4Psison application were information of the microproces	1	System boot version	Version information of the system software BOOT section (FLASH) is displayed	[**.**]→Version information of the system software BOOT section	EW071BOT.PRG UC071BOT.PRG
GPS program version information of the GPS  *] + Version information of the GPS program (Packet). It is stapleaged in the GPS program desert vests.  Application version information of the application application of the application application of the application application application application application application applicati	2	System OS version	Version information of the system software OS section (FLASH) is displayed	[**.**]→Version information of the system software OS section [NG]→System program doesn't exist.	EW071SYS.PRG UC071SYS.PRG
Application version information of the application (".*."]—Version information of the language data version information of the language (".*."]—Version information of the language data data (HzASH) is displayed.  Sound data version a version information of the singuage (".*."]—Version information of the language data do not exist.  Sound data version information of the singuage (".*."]—Version information of the system microprocessor information of the proversion information of the incroprocessor for monitor is displayed.  I.***I—Abde-andural information of the proversion information of the microprocessor for monitor is displayed.  I.***I—Abde-andural information of the proversion information of the microprocessor for monitor information of the proversion increases of information of the proversion information of the microprocessor for monitor is displayed.  I.***I—Abde-andural information of the proversion information of the microprocessor for monitor is displayed.  I.***I—Abde-andural information of the proversion information	3	GPS program version	Version information of the GPS program (DRAGON) is displayed	[**.**]→Version information of the GPS program. [ NG ]→GPS program doesn't exist.	EW071GPS.PRG UC071GPS.PRG
Language data Version information of the language ("""]—Version information of the language data do not exist.  Sound data Version information of the language ("""]—Version information of the language sound data.  Syscom version  Version information of the system  Incroprocessor is displayed.  Syscom ronc  System microprocessor is displayed.  Incroprocessor is microprocessor is monitor is display	4	Application version	Version information of the application program (FLASH) is displayed	[**.**]→Version information of the application program [NG]→Application program doesn't exist.	EU071APL.PRG
Sound data version information of the language [```]—Version information of the language sound data.  Syscom version  Syscom version  Norsion information of the system  ING ]—Acmmunication with the system microprocessor has not been established.  System microprocessor is displayed.  ING ]—Communication with the system microprocessor has not been established.  ING ]—Communication with the system microprocessor has not been established.  ING ]—Communication with the power supply microprocessor were sized with ROM collection.  Version information of the power supply microprocessor is displayed.  ING ]—Communication with the power supply microprocessor is displayed.  ING ]—Communication with the power supply microprocessor is displayed.  ING ]—Communication with the power supply microprocessor is displayed.  ING ]—Communication with the microprocessor for mechanism control is displayed.  ING ]—Communication with the microprocessor for mechanism control is displayed.  ING ]—Communication with the microprocessor for mechanism control is displayed.  ING ]—Communication with the microprocessor for monitor is displayed.  ING ]—Communication with the microprocessor for monitor is displayed.  ING ]—Communication with the microprocessor for monitor is displayed.  ING ]—Communication with the microprocessor for monitor is displayed.  ING ]—System software file is displayed.  ING ]—System software file to EW  ING ]—System software file is displayed.  ING ]—System software file for EW  ING ]—System software file is displayed.  ING ]—Language data file for EW  ING ]—System software file for EW  ING ]—Language data file for EW  ING ]—Language data file for EW  ING ]—Language cound data file is displayed.  ING ]—Language cound data file is displayed.  IN	2	Language data version	Version information of the language data (FLASH) is displayed.	[**.**]→Version information of the language data [ NG ]→Language data do not exist.	EW070DAT.xxx (xx: An extension is specified for each language. GBR, DEU, FRA, ITA, NLD, ESP, SWE, DNK) (VG070DAT.yyy (yyy: An extension is specified for each language. USA, FRA, ESP)
Syscom version riconmation of the system ("**"]—Version information of the system microprocessor is displayed.  Syscom romc system microprocessor is displayed.  System microprocessor is displayed.  Power ucom supply microprocessor is displayed.  Power ucom nower sion information of the power supply microprocessor has not been established.  Power ucom power supply microprocessor is displayed.  Power ucom nower supply microprocessor is displayed.  Power ucom power supply microprocessor is displayed.  Power ucom nower supply microprocessor information of the microprocessor for monitor has not been established.  Power ucom nicroprocessor for monitor is displayed.  Pow	9	Sound data version	Version information of the language sound data (FLASH) is displayed.	[**.**]→Version information of the language sound data. [ NG ]→Language sound data do not exist.	EW070SDF.xxx (xxx : An extension is specified for each language. GBR, DEU, FRA, ITA, NLD, ESP, SWE, DNK, BEL) UC070SDF.yy (yyy : An extension is specified for each language. USA, FRA, ESP)
Syscom rome system microprocessor is displayed.  Power ucom version information of the power supply microprocessor is displayed.  Power ucom version information of the power supply microprocessor is displayed.  Power ucom supply microprocessor is displayed.  Power ucom supply microprocessor is displayed.  In [1***]—Yersion information of the power supply microprocessor has not been established.  Drive version power supply microprocessor is displayed.  Drive version romanized information of the [1***]—Yersion information of the power supply microprocessor romanized information of the microprocessor for mechanism control information of the microprocessor for mechanism control is displayed.  Monitor ucom microprocessor for mechanism of the [1***]—Yersion information of the microprocessor for monitor is displayed.  Monitor ucom microprocessor for monitor is displayed.  Monitor ucom microprocessor for monitor is displayed.  Monitor ucom microprocessor for monitor is displayed.  In [1***]—Yersion information of the microprocessor for monitor has not been established.  In [1***]—Yersion information of the microprocessor for monitor has not been established.  In [1***]—Yersion information of the microprocessor for monitor is displayed.  In [1***]—Yersion information of the microprocessor for monitor is displayed.  In [1***]—Yersion information of the microprocessor for monitor is displayed.  In [1***]—Yersion information of the microprocessor for monitor is displayed.  In [1***]—Yersion information of the microprocessor for monitor is displayed.  In [1***]—Yersion information of the microprocessor for monitor is displayed.  In [1***]—Yersion information of the microprocessor for monitor is displayed.  In [1***]—Yersion information of the microprocessor for monitor is displayed.  In [1***]—Yersion information of the microprocessor for monitor is displayed.  In [1***]—Yersion information of the microprocessor for monitor is displayed.  In [1***]—Yersion information of the microprocessor for monitor is displayed.  In [1**	7	Syscom version	Version information of the system microprocessor is displayed.	[**.**]→Version information of the system microprocessor. [ NG ]→Communication with the system microprocessor has not been established.	
Power ucom         Version information of the power         [****]→Version information of the power supply microprocessor is displayed.         [****]→Version information of the power supply microprocessor has not been established.           Power ucom         ROM-collection version information of the power supply microprocessor is displayed.         [****]→PROM-collection version information of the power supply microprocessor or mechanism control information of the microprocessor for mechanism control information of the microprocessor for mechanism control is displayed.           Drive version         Core version information of the microprocessor for mechanism control is displayed.         [****]→ACore version information of the microprocessor for mechanism control is displayed.           Monitor ucom         Version information of the microprocessor for monitor is displayed.         [****]→ACore version information of the microprocessor for monitor information of the microprocessor for monitor is displayed.           Monitor ucom         Monitor ucom         ROM-collection version information of the microprocessor for monitor is displayed.         [****]→AVE sion information of the microprocessor for monitor is displayed.           Incorror version         microprocessor for monitor is displayed.         [****]→Most equipped with ROM collection.           System program         System software file is displayed.         [****] ICO77 SYS-PRG]→System software file for UC           Ianguage data file is displayed.         [****] ICO70DAT-System software file for UC           Ianguage sound data file is displayed.         [**	œ	Syscom romc version	ROM-collection version information of the system microprocessor is displayed.	[**.**] $\rightarrow$ ROM-collection version information of the system microprocessor [ ] $\rightarrow$ Not equipped with ROM collection.	
Power ucom         ROM-collection version information of the power supply microprocessor is displayed.         [****]→ROM-collection version information of the power supply microprocessor is displayed.         [****]→ROM-collection version information of the power supply microprocessor is displayed.         [****]→Allometric power p	6	Power ucom version	Version information of the power supply microprocessor is displayed.	[**.**]→Version information of the power supply microprocessor [NG]→Communication with the power supply microprocessor has not been established.	
Drive version         Core version information of the microprocessor for mechanism         [™***]→Core version information of the microprocessor for mechanism control has not been established control is displayed.         [™6]→Communication with the microprocessor for mechanism control has not been established.           Monitor ucom version microprocessor for monitor is displayed.         [™***]→Version information of the microprocessor for monitor microprocessor for monitor is displayed.         [™***]→Not equipped with ROM collection.           Monitor ucom version microprocessor for monitor is displayed.         [™6]→Communication with the microprocessor for monitor microprocessor for monitor is displayed.         [™6]→Communication with the microprocessor for monitor monitor is displayed.           System program system software file is displayed.         [W071SYS.PRG]→System software file for UC         [W077SYS.PRG]→System software file for UC           Application         Language data file is displayed.         [EW070DAT.xxx]→Language data file for UC           Sound data         [WG]→System software file for UC           [NG]→Language data file for UC         [NG]→Language data file for UC           [NG]→Language data file for UC         [NG]→Language data file for UC           [NG]→Language data file for UC         [NG]→Language data file for UC           [NG]→Language data file for UC         [NG]→Language data file for UC           [NG]→Language data file for UC         [NG]→Language data file for UC	10	Power ucom romc version	ROM-collection version information of the power supply microprocessor is displayed.	$[*^**^*] \rightarrow ROM$ -collection version information of the power supply microprocessor $[] \rightarrow Not$ equipped with ROM collection.	
Monitor ucom         Version information of the microprocessor for monitor is displayed.         [*****]→Version information of the microprocessor for monitor is displayed.         [*****]→Normunication with the microprocessor for monitor has not been established microprocessor for monitor is displayed.         [*****]→ROM-collection with the microprocessor for monitor has not been established.           Monitor ucom         ROM-collection version information of the microprocessor for monitor is displayed.         [******]→ROM-collection version information of the microprocessor for monitor is displayed.           System program         System software file is displayed.         [EW071SYS.PRG]→System software file for EW           Application         Language data file is displayed.         [EW070DAT.xxx]→Language data file for UC           Ind ]→Language data file for EW         [WG70DAT.xxy]→Language data file for EW           Ind [*****]→Language data file for EW         [WG70SDF.xxx]→Language data file for EW           Ind [****]→Language data file for UC         [WG70SDF.xxx]→Language data file for EW           Ind [****]→Language data file for UC         [WG70SDF.xxx]→Language data file for EW           Ind [***]→Language data do not exist.         [WG70SDF.xxx]→Language data file for UC           Ind [***]→Language data do not exist.         [WG70SDF.xxx]→Language data file for UC	Ξ	Drive version	Core version information of the microprocessor for mechanism control is displayed.	[**.**]→Core version information of the microprocessor for mechanism control [ NG ]→Communication with the microprocessor for mechanism control has not been established [ ]→Mechanical region is different.	
Monitor ucom         ROM-collection version information of the room of the microprocessor for monitor is displayed.         [******]→ROM-collection.           System program         System software file is displayed.         [EW071SYS.PRG]→System software file for EW [UC071SYS.PRG]→System software file for UC [NG]→System software file for UC [NG]→Language data file for UC [NG]→Language data file for UC [NG]→Language data file for EW [UC070SDF.xxx]→Language data file for UC [NG]→Language sound data file for UC [NG]→Language sound data do not exist.	12	Monitor ucom version	Version information of the microprocessor for monitor is displayed.	[**.**] $\rightarrow$ Version information of the microprocessor for monitor [ NG ] $\rightarrow$ Communication with the microprocessor for monitor has not been established	
System program  System software file is displayed.  [UC071SYS.PRG]—System software file for UC  [UC071SYS.PRG]—System software file for UC  [NG]—System software file for UC  [NG]—Language data file for UC  [NG]—Language data file for EW  [UC070SDF:xxx]—Language data file for EW  [UC070SDF:xxy]—Language data file for UC  [NG]—Language data file for UC  [NG]—Language sound data file is displayed.	13	Monitor ucom romc version	ROM-collection version information of the microprocessor for monitor is displayed	[**.**] $\rightarrow$ ROM-collection version information of the microprocessor for monitor [] $\rightarrow$ Not equipped with ROM collection.	
Application Language data file is displayed. [EW070DAT.xxx]→Language data file for EW [UC070DAT.yyy]→Language data file for UC [NG]→Language data do not exist.  Sound data Language sound data file is displayed. [EW070SDF.xxx]→Language data file for EW [UC070SDF.xxx]→Language data file for UC [NG]→Language data file for UC [NG]→Language sound data do not exist.	41	System program		[EW071SYS.PRG]→System software file for EW [UC071SYS.PRG]→System software file for UC [NG ]→System software file doesn't exist.	
Sound data Language sound data file is displayed. [EW070SDF.xxx]→Language data file for EW [UC070SDF.yyy]→Language data file for UC [NG]→Language sound data do not exist.	15	Application language	Language data file is displayed.	[EW070DAT.xxx]→Language data file for EW [UC070DAT.yyy]→Language data file for UC [NG ]→Language data do not exist.	EW070DAT.xxx (xxx: An extension is specified for each language. GBR, DEU, FRA, ITA, NLD, ESP, SWE, DNK) (CO70DAT.yy (yyy: An extension is specified for each language. USA, FRA, ESR)
	16	Sound data language	Language sound data file is displayed.	[EW070SDF.xxx]→Language data file for EW [UC070SDF.yyy]→Language data file for UC [NG]→Language sound data do not exist.	EW070SDF.xx. (xx.: An extension is specified for each language. GBR, DEU, FRA, TIA, NLD, ESP, SWE, DNK, BEL) UC070SDF.yy, (yyy : An extension is specified for each language. USA, FRA, ESP)

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#### 1. Error Information

Descriptions of error information, for errors arising from system software problems, will be provided in this section. In the system software, up to 24 sets of information related to errors occurred will be stored in the SRAM as error history.

The line number on which error occurred, error code, and detailed information of the error will be stored as the error history.

There are the following three types:

- 1. When hi\_sysdwn() is executed intentionally at the time of fatal error with each BIOS. It is a common error.
- 2. When either of the following error occurred: multiple exceptions, fatal exceptions, illegal command codes, zero divide, and trap command error
- 3. When the watchdog timer has activated reset. It occurs when the program fails to function properly.

#### 2. Error Log's Entry

Up to twenty-four sets of information will be displayed by the error log entry function, with the latest error appearing on the top.

The display differs, depending on whether the argument passed to hi\_sysdwn() includes detailed information (such as program name, version number, creation date, creation time and creator name) or not.

• When detailed information is included:

```
** ERROR INFORMATION **

ERCD = 00000028(40)

FILE = ini_usf.c

LINE = 510(000001fe)

VERS = 1.1.1.1

DATE = 2003/08/08

TIME = 06:07:26

AUTH = daisuke

ERROR-TIME ffff-ff-ff ff:ff:ff

No.4 <== ERROR No.3 ==> No.2

Stop when push [BACK] button.
```

ERCD	Error code (If the FILE cell is "int_wdt.c", the ID of the task, which was being executed when the lower 4 digits were reset, is displayed)
FILE	Program name where the error occurred (In case of "int_wdt.c", it means that watch dog timer activated the reset. At this time, the content of ERCD shows something other than error information).
LINE	Error-occurring program line number.
VERS	Error-occurring program version number
DATE	Error-occurring program creation date
TIME	Error-occurring program creation time
AUTH	Error-occurring program creator name
ERROR-TIME	Date & time of error occurrence

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• When detailed information does not exist (in case of an error occurring somewhere else but in the C-source file):

```
** ERROR INFORMATION **

type = 000000b7(183)

ercd = ffffc002(-16382)

inf = ffb7ac18(-4740072)

ERROR-TIME ffff-ff-ff ff:ff

No.2 <== ERROR No.1 ==> No.24

Stop when push [BACK] button.
```

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type	Execution address at the time of error occurrence.
ercd	Contributing factor for the exceptions.
inf	Task number where an exception error occurred. (If it is "0", it means that an error occurred in a non-task section)
ERROR-TIME	Date & time of error occurrence

#### 4. Watch dog timer

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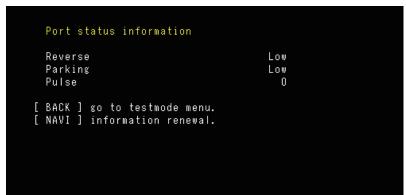
This product has a built-in mechanism to monitor at a certain interval whether the software is correctly operating or not.

Once this mechanism becomes inoperable, "reset request" will be sent to the power supply microprocessor when a preset time (approximately 4 seconds) has elapsed.

In order to record operational situation of such an occasion, a special code which is not an error code is recorded in the ERCD.

#### 8. Port status information

Test Screen



Display	Content of inspection
Reverse	Reverse port status
Parking	Parking port status
Pulse	Pulse status

The vehicle speed pulse is displayed in a value equals to 1/5 of the frequency of the input vehicle speed signal. Example: If the vehicle speed signal is 100Hz, the value will be 20.

Notwithstanding the above, the displayed value may vary depending on the model.

### \* How to operate

[BACK]	Return to the test mode menu.
[NAVI]	Update of the port status

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## 1. Change to display error

1. Switching of Error Information

The product (with default settings) will display error messages to the user if an error occurs. Error information can be displayed if an error occurs, by switching the error information in the test mode.

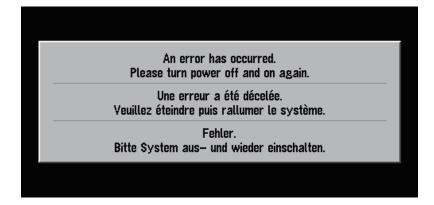
In either case, however, the error log entry display will be the same.

Error message display (default settings):

• Setting in the test mode:



• Display when an error occurs:



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Error information display:

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• Settings in the test mode:



Display when an error occurs:

• If detailed information exists:

```
** ERROR INFORMATION **

ERCD = ffffffff(-1)

FILE = tsk_ini.c

LINE = 152(00000098)

VERS = 1.11

DATE = 2003/04/03

TIME = 04:59:10

AUTH = jin

ERROR-TIME ffff-ff-ff ff:ff:ff
```

• If detailed information does not exist:

```
** ERROR INFORMATION **

type = 00000109(265)

ercd = 00000001(1)

inf = ffe83230(-1560016)

ERROR-TIME ffff-ff-ff ff:ff:ff
```

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## 4. GPS assessment

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Test Screen

```
GPS TEST

FLASH : Ver. 1.50 06/10/27
GPS : Ver. 5.16 06/09/12
SENSOR : Ver. 6.24

Press [BACK] to return
```

FLASH	Display of DRAGON FLASH ROM version information
GPS	Display of GPS version information
SENSOR	Display of sensor version information

#### 5. File maintenance

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File maintenance menu



- 1. File maintenance tool
- 2. Drive property
  Display of drive property
- 3. Format drive

Drive initialization

- 4. Drive maintenance Options Inspection & repair of FAT file system
- 5. Make search table

HDD cluster table creation (not available in overseas models)

6. Delete search table

HDD cluster table deletion (not available in overseas models)

7. SRAM download

 $\mathsf{SRAM} \to \mathsf{PC} \mathsf{\ ATA\ CARD\ download}$ 

8. SRAM upload

 $\mathsf{SRAM} \leftarrow \mathsf{PC} \; \mathsf{ATA} \; \mathsf{CARD} \; \mathsf{upload}$ 

9. Sector dump

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## 2. SENSOR test

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Test Screen

```
SENSOR TEST
G-SENSOR :
GYRO :
POWER :
FIT UP :
DISTANCE :
LOW SPEED :
                         : 2.4709 [V]
: 2.4364 [V]
: 11.7773 [V]
: OK (Best)
: INITIALIZE
   Press [BACK] to return
```

	_			
G-SENSOR	Display of G sensor voltage			
GYRO	Display of gyro voltage			
POWER	Display of power supply voltage			
FIT UP	Display of installation	n status		
	Display	Status		
	• NG	Installation position is NG.		
	• OK	Installation position is OK. (3rd best)		
	OK(Better)	Installation position is OK. (2nd best)		
	OK(Best)	Installation position is OK. (	Best)	
DISTANCE	Display of distance calculation status.			
	Display	Status		
	• INITIALIZE	Sensor initial learning is under way.		
	• GPS	GPS distance. (Model without G sensor, no pulse connection.)		
	• G-SENSOR	G sensor distance. (simple	hybrid.)	
	• ND-PG1	ND-PG1 distance.		
	SPEED PULSE	Vehicle speed pulse distance	ce	
LOW SPEED	Display of minimum (depends on DISTAN	output speed of a low speed lICE status).	NG vehicle	
	DISTANCE status	SPEED PULSE status	Display	
	SPEED PULSE	Low vehicle speed pulse learning is under way.	CHECK	
		Low vehicle speed pulse is OK.	OK	
		Low vehicle speed is NG.	NG xx[km/h]	
	Others			
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4. MS5 check

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Specification for X-3212 (MS5 Mecha) Test Mode Operation

#### \* CAUTIONS

Protection is not operational against mechanical runaway conditions during servo testing. Critical damage can result if the system is allowed to continue in a mechanical runaway state. If abnormal noise is heard during the test, turn the power OFF immediately.

Keys used:

[OK] : Selection key [BACK] : Go-back key

Directional keys: joystick upward/downward/leftward/rightward movement

[MS5 X-3212 Test] : Test Mode Initial Screen

```
[ MS5 X-3212 Test ]
FirmWare Revision.
Mecha Ver 1.1.01.01

[1] FE TestMode
[2] EDC-1 mode
[3] EDC-2 mode
[4] LD Energizing time mode

Press [OK] to make a selection
Press [BACK] to X-3212 Test top
```

Mecha Ver: Software Version of MS5 Mecha.

- [1] Start the FE test
- [2] Start EDC-1 Test
- [3] Start EDC-2 Test
- [4] Start LD Energizing-time mode [BACK] Exit from X-3212 Test Mode

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#### \* CAUTIONS

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Protection is not operational against mechanical runaway conditions during servo testing. Critical damage can result if the system is allowed to continue in a mechanical runaway state. If abnormal noise is heard during the test, turn the power OFF immediately. If "E" is displayed as the first digit of the data, you can operate only [BACK] key.

Keys used:

[OK] : Selection key [BACK] : Go-back key

Directional keys: joystick upward/downward/leftward/rightward movement

1. [X-3212 Servo Test] : Screen in the Power OFF status

```
[ X-3212 NOTHING Servo. Test(0-0) ]
Status: Power Off Data: TEST
[1] Power On
[2] Disc type: DVD 1-Layer
[3] Disc type: DVD 2-Layer
[4] Disc type: CD
[5] Disc type: CD-RW
[6] Disc Eject

Press[OK] to make a selection
Press[BACK] return to former
```

- The display of "NOTHING" will change to a respective medium type, when you select the corresponding number from [2] to [5] shown below.
- The status remains in "POWER OFF".
- The data values will change corresponding to the command executed.
   Note:
- [1] can be selected for execution only after execution of either of the commands from [2] to [5].
  - [1] Transition to Power On status
  - [2] Specification of the DVD 1st layer
  - [3] Specification of the DVD 2nd layer
  - [4] Specification of CD
  - [5] Specification of CD-RM
  - [6] Disc eject
  - [OK] Execution
  - [BACK] Exit from X-3212 Test Mode

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2. [X-3121 Servo Test (1-0)]: Power-On Status Screen

```
[ X-3212 DVD 1-Layer Servo. Test(1-0) ]
Status: Power On Data: 10000000
[1] Focus Close [2] Focus Search Start [3] CRG + Start
[4] CRG - Start [5] LD-OFF->LD-ON [6] CRG_HOME
       FE Offset : 00000000
                                                   00000000
                                   TE Offset
                      00000000
       AS Offset
                                   ENV Offset
                                                   00000000
       TG Offset :
                      00000000
                                   DBAL
                                                   00000000
                                   VIN_02
       VIN_01
                      000007D9
                                                   000007F3
                      000007EA
       VIN_03
                                   VIN_04
                                                   000007FB
       VIN_05
VIN_07
                                   VIN_06
VIN_08
                      00000810
                                                   00000812
                      00000000
                                                    00000000
       VIN_09
                                   VIN_10
                    : 00000000
                                                    00000000
Press[OK]to make a selection,Press[BACK]return to former
```

#### Note:

If no operation is made in about 10 seconds after LD-ON, the system performs LD-OFF automatically. If you perform Focus Close while the LD is OFF, it will result in an error.

Also during Focus Search (S-curve measurement mode), the safety system is activated if LD-OFF does not occur within 10 seconds. Therefore, LD goes off in 9 seconds, also when Focus Search is performed after LD-ON. If you perform Focus Close after Focus Search operation (S-curve measurement mode), turn the power off once, and then turn it on, before performing Focus Close.

You cannot perform operation till completion of the display of values from FE Offset to VIN\_10.

- [1] cannot be executed, unless [5] command is executed beforehand.
  - [1] Transition to Focus Close 1 status
  - [2] Execution and stop of Focus Search operation
  - [3] Execution and stop of CRG+
  - [4] Execution and stop of CRG-
  - [5] LD On/OFF
  - [6] Execution of CRG\_HOME
  - [OK] Execution/Stop

[BACK] 1, [X-3212 Servo Test]: Return to the Power Off Status screen.

3. [X-3212 Servo Test (2-0)]: Focus Close 1 Status Screen

```
[ X-3212 DVD 1-Layer Servo. Test(2-0) ]
 Status: Focus Closed1 Data: 20000000
 [1] T.Bal
[2] Focus
    Focus Jump
 [3] CRG + Start
                  [4] CRG - Start
      FE MAX
                : 00000D48
                             FE MIN : 0000F416
      AS MAX
                  00000648
                             ENV MAX : 00000500
      FΕ
         Normal :
                  000007E8
                : 00001BEE
      TE MAX
                            TE MIN : 0000DE7C
Press[OK] to make a selection
Press[BACK]return to former
```

#### Note:

The data values will change upon execution of a command.

You cannot perform operation till completion of the display of values from FE MAX to TE MIN.

- [1] Transition to Focus Close 2 status
- [2] Execution of Focus Jump
- [3] Execution and stop of CRG+
- [4] Execution and stop of CRG-
- [OK] Execution/Stop

[BACK] 1, [X-3212 Servo Test]: Return to the Power Off Status screen.

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4. [X-3212 Servo Test (3-0)]: Focus Close 2 Status Screen

```
[ X-3212 DVD 1-Layer Servo. Test(3-0) ]
Status: Focus Closed2 Data: 30000000
 [1] Tracking Close
 [2] CRG + Start [3] CRG - Start
 [4] RF level
      T.Bal(Layer 0)
                           : 0000000B
      T.Bal(Layer 1)
                           : 00000009
      TE Normal( Layer 0 ) : 000003F4
      TE Normal (Layer 1)
                           : 000003F4
      OFF TRACK
                             0000000A
Press[OK] to make a selection
Press[BACK] return to former
```

Note:

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The data values will change upon execution of a command.

Note

You cannot perform operation till completion of the display of values from T.Bal to OFF TRACK.

- [1] Transition to Tracking Close status
- [2] Execution and stop of CRG+
- [3] Execution and stop of CRG-
- [4] Transition to RF Level Display status
- [OK] Execution/Stop

[BACK] 1, [X-3212 Servo Test]: Return to the Power Off Status screen.

5. [X-3212 Servo Test (4-0)]: Tracking Close Status Screen

Note:

The data values will change upon execution of a command.

Note:

You cannot perform operation till completion of the display of values from F.Bal(0) to AS Normal(1).

- [1] Display of the Error Rate (The system become inoperable for about 10 seconds after execution).
- [2] Read speed change (CD: fixed speed)
- [3] To Track Jump+ Screen
- [4] To Track Jump- Screen
- [5] Execution of Focus Jump
- [6] To ID Search Screen
- [7] 3, [X-3212 Servo Test(2-0)]: Transition to Focus Close 1 Status Screen
- [OK] Execution/Stop

[BACK] 1, [X-3212 Servo Test]: Return to the Power Off Status screen.

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```
[ X-3212 DVD 1-Layer Servo. Test(4-3) ]
Status: Tracking Closed Data: 48000000
[1] Track appointment
[2] Start Track Jump +

Please execute [Start Track Jump] command,
to return to a front screen.
Press [OK] to make a selection
```

#### Note:

The data values will change upon execution of a command.

[1] Upon every execution, the data value is switched cyclically. In case of CD: 1→4→10→11→32→1→··· [Truck] In case of DVD: 1→4→10→11→32→64→100→1→··· [Truck] [2] Execution of Track Jump+/-[OK] Execution

[Back] 5, [X-3212 Servo Test(4-0) : Return to Tracking Close Status Screen

(This can be selected only after execution of Track Jump)

7. [X-3212 Servo Test (4-5)]: ID Search Screen

```
[ X-3212 CD Servo. Test(4-6) ]
Status: Tracking Closed Data: 4A000000
[1] ID appointment:
[2] cursor right
[3] cursor left
[4] cursor up
[5] cursor down
[6] Start ID Search

Press [OK] to make a selection
```

#### Note:

The data values will change upon execution of a command.

- [1] Display of ID
- [2] The blue indication on the data is shifted by one digit to the right.
- [3] The blue indication on the data is shifted by one digit to the left. (You cannot move it to the 1st and 2nd digits from the left)
- [4] The blue digit of the data is incremented by one.
- [5] The blue digit of the data is decremented by one.
- [6] Start of the ID Search

[OK] Execution

[Back] 5, [X-3212 Servo Test(4-0): Return to Tracking Close Status Screen

(This can be selected only after execution of ID Search)

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```
[ X-3212 DVD 1-Layer Servo. Test(5-0) ]
Status: RF level disp Data: 50000000
[1] RF level : ------
[2] Error Rate: ------
[3] Tracking Open( to Focus Close )

F.Bal( 0 ) : 0000FFFA F.Gain( 0 ) : 0000023D
F.Bal( 1 ) : 00000000 F.Gain( 1 ) : 00000200
T.Gain( 0 ) : 000001A9 AS Normal( 0 ) : 00000CCC

Press[0K] to make a selection
Press[BACK] return to former
```

#### Note:

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The data values will change upon execution of a command.

#### Note:

You cannot perform operation till completion of the display of values from F.Bal(0) to AS Normal(1).

- [1] Display of RF-level
- [2] Display of the Error Rate
- [3] Transition to Focus Close 1 Status
- [OK] Execution

[Back] 5, [X-3212 Servo Test(4-0): Return to Tracking Close Status Screen

#### **EDC Test Operation Specification**

Keys to use:

[OK]

[BACK]

[Directional keys]

### Note:

The same operational method applies to both of EDC-1 and EDC-2 tests.

1. [X-3212 EDC-1/2 TEST]: Initial Screen

```
[ X-3212 DVD Test ] EDC-1

Layer: 0
ID : 00000000

[1] Select Layer 0
[2] Select Layer 1
[3] Disc Eject

Press [OK] to make a selection
Press [BACK] to DVD Test top( EDC end )
```

#### Note:

The ID values will change upon execution of a command.

- [1] 2: To setting screen of [X-3212 EDC-1/2 Test Layer 0]
- [2] 3: To setting screen of [X-3212 EDC-1/2 Test Layer 1]
- [3] Disc eject
- [OK] Execution
- [BACK] Exit from MS5 check

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```
[ X-3212 DVD Test ] EDC-1
Layer: 0
ID : 10030000

[1] cursor right
[2] cursor left
[3] cursor up
[4] cursor down
[5] Start EDC-1

Press [BACK] to DVD Test top( EDC end )
```

#### Note:

The ID values will change upon execution of a command.

- [1] The blue indication on the ID is shifted by one digit to the right.
- [2] The blue indication on the ID is shifted by one digit to the left. (You cannot move it to the 1st and 2nd digits from the left)
- [3] The blue digit of the ID is incremented by one.
- [4] The blue digit of the ID is decremented by one.
- [5] Start of EDC test
- [OK] Execution
- [BACK] Exit from MS5 check
- 3. [X-3212 EDC-1/2 Test Layer 1]

```
[ X-3212 DVD Test ] EDC-1

Layer : 1

ID : 10030100

[1] cursor right
[2] cursor left
[3] cursor up
[4] cursor down
[5] Start EDC-1

Press [BACK] to DVD Test top( EDC end )
```

#### Note:

The ID values will change upon execution of a command.

- [1] The blue indication on the ID is shifted by one digit to the right.
- [2] The blue indication on the ID is shifted by one digit to the left. (You cannot move it to the 1st and 2nd digits from the left)
- [3] The blue digit of the ID is incremented by one.
- [4] The blue digit of the ID is decremented by one.
- [5] Start of EDC test
- [OK] Execution
- [BACK] Exit from MS5 check

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LD Energizing Time Setting Operation Specification

Keys to use : [OK] [BACK] [Directional keys]

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1. [X-3212 CD/DVD Energizing Time Mode] : LD Initial Screen

```
[ X-3212 CD/DVD Energizing Time Mode ]
   Display Mode   Data : 00000000

[1] CD   LD-Energizing time display
[2] DVD   LD-Energizing time set
[4] DVD   LD-Energizing time set

CD   LD-Energizing time : ----

DVD   LD-Energizing time : ----

Press [0K] to make a selection

Press [BACK] to Exit this Mode
```

#### Note:

The data values will change upon execution of a command.

- [1] Currently-set CD energizing time is displayed.
- [2] Currently-set DVD energizing time is displayed.
- [3] To CD Energizing Time Setting Screen
- [4] To DVD Energizing Time Setting Screen
- [OK] Execution

[BACK] Exit from MS5 check

## 5. Region code

No region can be obtained when a ROM DISC is inserted. Execute this after ejecting the DISC.

```
=== Region code check ===
region code < 2 >
Press [BACK] return.
```

You can go back to the test mode menu by the [BACK] key.

```
=== Region code check ===

The ROM-DISC is inserted. Please eject.

Press [BACK] return.
```

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## 6.2 TEST DISC

Jig No.: GGV1310

Remote controller: CXC6317 (SW1: AVH, SW2: DVD)

#### 1. Start / End

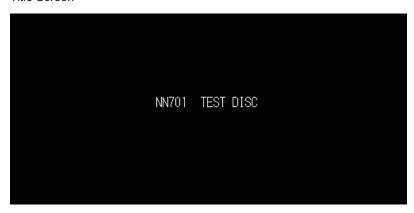
1-1. Start

When the test disc is inserted, the title "NN701 TEST DISC" will be displayed.

If [C] key on the remote controller is pressed while the title is being displayed, the menu screen will be displayed.

If no key is pressed, the second inspection (external connection check / C.C) screen for line inspection will be displayed.

Title Screen



1-2. End

No action is taken.

## 2. Key Operation

Operate the test disc using the [10-key] number pad of the DVD remote controller.

The basic operation method of the DVD remote controller is as follows:

- ↑ (cursor upward movement) ····· [2] of the 10-key • \( \text{(cursor downward movement)} \\ \cdots \text{[8] of the 10-key} \) • ← (cursor leftward movement) · · · · · [4] of the 10-key Decision / Confirmation (Enter) ...... [5] of the 10-key Going Back / Cancel (Cancel) ...... [C] of the 10-key Execution of inspection / repeat of inspection, etc. ..... [0] of the 10-key
- In the case of inspection screens 1 13:
  - 1. The inspection screen and the menu screen can be switched alternately using the [5] key on the DVD remote controller.
  - 2. The screen will go back to the previous inspection screen by the [2] key on the DVD remote controller.
  - 3. The screen will move forward to the next inspection screen by the [8] key on the DVD remote controller. (Unless the inspection is finished, the screen will not move forward. The screen will not move forward, too, if there is an NG item.)
  - \* Refer to the explanation of each screen for the details.
- In the case of menu screens 14 23:
  - 1. Select an inspection item by the [2] and [8] keys on the DVD remote controller, and inspection screen will appear when the [5] key is pressed.
  - 2. The menu pages can be switched by the [4] and [6] keys on the DVD remote controller.
  - 3. When the [C] key on the DVD remote controller is pressed, the screen will go back to the menu screen.
  - \* Refer to the explanation of each screen for the details.

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#### Menu Screen List

```
--- Self Test Menu ---

1. External Connection(H/W)

2. External Connection(C.C.)

3. Data Communication (Short Circuit) Check

4. Data Communication (Open Circuit) Check

5. Natural Drawing & Rear View

6. VTR1 In check

7. VTR2 In check

8. FM Multiplex Tuner Error Rate

9. GPS Self check

[2/8]: Change cursol, [4/6]: Change page

[5]: Select item
```

```
--- Self Test Menu ---
10. Dual Illumination color check
11. Monitor adjustment check
12. Language Flag setup mode
13. Memory all clear

[2/8]: Change cursol, [4/6]: Change page
[5]: Select item
```

```
--- Self Test Menu ---

14. Software version display

15. Picture RGB check

16. GPS information

17. GPS sensitivity measurement

18. Sound play

19. File Maintenance mode

20. Picture check

21. Device check(Design engineer only)

22. Memory all clear(for Service)

23. BackUp Memory clear

[2/8]: Change cursol, [4/6]: Change page

[5]: Select item
```

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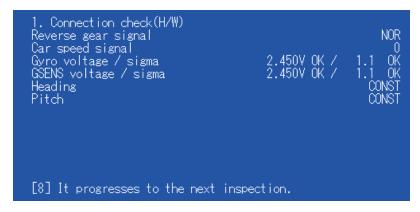
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## 3. Inspection Screens

#### 3-1. External Connection Check (H/W)



- The status of the items indicated in the above figure will be updated every second.
- Set ANTON port to H when starting the inspection and set it to L when ending.
- When the gyro is in operation, a BEEP sound will be made when the G sensor is activated. Right: 500 Hz, Left: 700 Hz. Up: 800 Hz, Down: 600 Hz
- Conditions for moving on to the next inspection Reverse status is changing between NOR and REV. Pulse is changing to a value other than 0/0.

#### Standard value for other items

GYRO voltage

OK: 2.5 ± 0.15 USABLE: 2.5 ± 0.30

GYRO variation

OK: Less than 30

· G sensor voltage

 $OK: 2.5 \pm 0.15$ 

USABLE: 2.5 ± 0.30

G sensor variation

OK: Less than 60

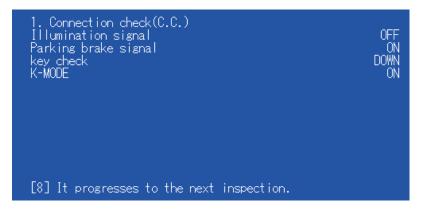
• Only when all the conditions are met, you can move on to the next inspection by the [8] key on the DVD remote controller. It should be noted, however, that you will not be able to move on to the next inspection if there is an error (background color is red) even if the conditions are met.

## <Supplemental explanation regarding error display>

Displayed message	Details of the error
Structural data error	Error which occurs when data cannot be received from A/D converter.  Defect of the A/D converter seems to be the cause.  It will also happen in case the vehicle speed pulse cannot be measured. (rare)
No connection to DRAGON	Error which occurs when communication with DRAGON is not established.  Communication error due to a hardware problem could be the cause.  It is highly possible that the hardware on the DRAGON side is defective.
Command error	Time out error for response to BIOS call.  Communication error due to a hardware problem could be the cause.  It is highly possible that the hardware on the DRAGON side is defective.
Unknown error	Error due to unknown reason.

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#### 3-2. External connection check (C.C.)



- The external port at the C.C. board side is checked.
- The status of the items indicated in the above figure will be updated every second.
- Conditions for moving on to the next inspection Illumination status is changing between ON and OFF.
   Parking brake status is changing between ON and OFF.
   K-MODE value is changing between ON and OFF.
- Only when all the conditions are met, you can move on to the next inspection by the [8] key on the DVD remote controller. It should be noted, however, that you will not be able to move on to the next inspection if there is an error (background color is red) even if the conditions are met.
- \* "K-MODE" port check can be performed only for models for North America. In case of models for Europe, no "K-MODE" is displayed.
- 3-3. Data Communication (short-circuit) check (Not for service)



- SIO connection short circuit is checked.
- Loop back check is performed on 6CH and 7CH.
- Wait screen is displayed until the checking is completed.
- When [0] key on the DVD remote controller is pressed while the inspection result is being displayed on the screen, inspection will be performed once again.
- Only in the case of OK, you can move on to the next inspection by the [8] key on the DVD remote controller.

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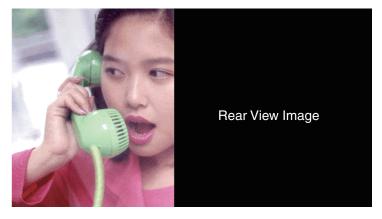
## 3-4. Data Communication (Open Circuit) check (Not for service)



- SIO connection open circuit is checked.
- Check is performed on 6CH and 7CH.
- Do not connect anything to the terminal. OK will be indicated under "open" condition.
- Wait screen is displayed until the checking is completed.
- When [0] key on the DVD remote controller is pressed while the inspection result is being displayed on the screen, inspection will be performed once again.
- Only in the case of OK, you can move on to the next inspection by the [8] key on the DVD remote controller.

#### 3-5. Natural Drawing

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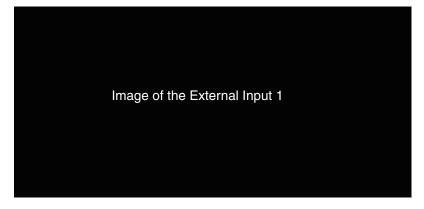


- Natural image consisting of 256 colors will be drawn on the screen.
- ADPCM 1kHz sine wave at the sampling rate of 19kHz will be output for 30 seconds.
- Rear view image will be displayed on the right hand side of the screen.
- Set GUIDEON terminal to H when entering the screen, and set it to L when exiting the screen.
- Volume level can be changed by the [4] and [6] keys on the DVD remote controller. (0 to 9) [JPEG file name: ZHITO1.JPEG] [Voice file name: A19K01KS.WAV]
- You can move on to the next inspection by the [8] key on the DVD remote controller.

Е

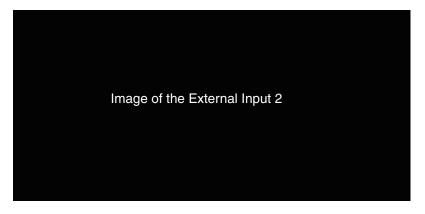
#### 3-6. External Input (AV1) Check

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- External input image (AV1 port input image) is displayed and voice is output.
- You can move on to the next inspection by the [8] key on the DVD remote controller.

#### 3-7. External Input (AV2) Check



- External input image (AV2 port input image) is displayed and voice is output.
- $\bullet$  You can move on to the next inspection by the [8] key on the DVD remote controller.

#### 3-8. FM multiplex tuner error rate measurement

```
8. FM multiplex tuner error rate measurement
Push 0 key to go to re-check

FM Frequency 87.50
Frequency to check 87.50
Blocks Received Correctly 0500
Blocks with one bit corrected 0000
Blocks with two bits corrected 0000
Blocks Received with error 0000

[4/6] to adjust FM frequency
[8] It progresses to the next inspection.
```

- FM multiplexing error is measured.
- Default frequency is 87.5MHz.
- When entering this mode for the first time, the result of measurement at the time of test disc boot up will be displayed.
- After the measurement is taken, the frequency can be changed by the [4] and [6] keys.
- 500 blocks will be measured, and if there are 450 or more blocks without error, then it will be determined as OK.
- Only in the case of OK, you can move on to the next inspection by the [8] key on the DVD remote controller.
- You can repeat the inspection by the [0] key on the DVD remote controller.
- \* For AVIC-N4/XU/UC models, this inspection is not performed and the system will move on to the next inspection.

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#### 3-9. GPS Receiving Status

9. GPS Self check
2005/03/22 15:00:00
Using satellites No.
01 02 03 04 05 06 07 08
Antenna connection
Receiving signal level
Dimention

[8] It progresses to the next inspection.

- GPS receiving status will be displayed.
- Conditions to move on to the next inspection.

Antenna connection is OK.

Data is received from one or more satellites.

Time is being displayed.

- When all the conditions are met, the background color will change to blue.
- Only when all the conditions are met, you can move on to the next inspection by the [8] key on the DVD remote controller. It should be noted, however, that you will not be able to move on to the next inspection if there is an error (background color is red) even if the conditions are met.
- If a command error occurs during GPS Receiving Status inspection, Command Error Details Screen is displayed. Command Error Details Screen consists of a screen which displays the real-time status of the BIOS call which is used in GPS reception, and a screen which displays command error logs of maximum 40 events, with the last occurred command error being at the top. You can switch between them by the [5] key.
- \* For the purpose of error information retention, the system prevents you to go from the Command Error Details Screen back to the normal inspection screen. If you want to resume inspection, eject the test disc once and then insert it again.

#### <Supplemental explanation regarding error display>

Displayed message	Details of the Error
No connection to DRAGON	Error which occurs when communication with DRAGON is not established.  Communication error due to a hardware problem could be the cause.  It is highly possible that the hardware on the DRAGON side is defective.
Command error	Time-out error for response to BIOS call.  Communication error due to a hardware problem could be the cause.  It is highly possible that the hardware on the DRAGON side is defective.
Invalid data	Error which occurs when request is made while the data for response is not yet ready (not obtained from DRAGON).  Communication error due to a hardware problem could be the cause.  It is highly possible that the hardware on the DRAGON side is defective.

#### 3-10. Dual Illumination Check



- The color of illumination is changed.
- The illumination color is toggled between Red and Blue every time you press the [0] key on the DVD remote controller.
- You can move on the next inspection by the [8] key on the DVD remote controller.

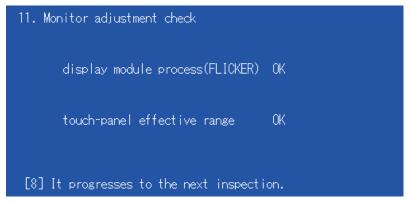
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#### 3-11. Monitor Adjustment Check



- Each status of the "flicker adjustment" and "touch panel outermost circumference correction" is obtained from the microprocessor to display the result as to whether the monitor is duly adjusted in the production line.
- If both "flicker adjustment" and "touch panel outermost circumference correction" have been duly performed, the monitor is assumed to be adjusted. You can go to the next inspection by the [8] key.

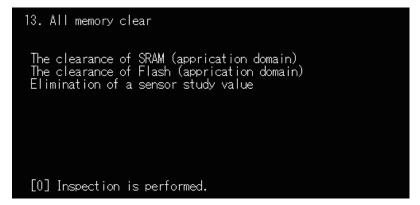
  If either adjustment is found to be missing, the NG screen is displayed to prevent you from going to the next inspection.

#### 3-12. Language Selection Flag Initialization



- When the system enters into this inspection, language selection will be set to the original setting made at the time of shipment (i.e. no setting).
  - \* The setting is made to display the screen for selecting the language to be used at the initial boot up after the shipment out of the factory.
- The setting is made when the system enters into this inspection.
- You can move on to the next inspection by the [8] key on the DVD remote controller.

#### 3-13. All Memory Clear (Not for service)



- SRAM (application domain) is cleared.
- FLASH (application domain) is cleared.
- Sensor learning level is cleared.
- If SRAM clear is not successful, FLASH will not be cleared.
- After the inspection screen is displayed, the above process is executed by the [0] key on the DVD remote controller.
- The result of the process is displayed.
- Only when everything is OK, you can exit the line inspection process by the [8] key on the DVD remote controller to go back to the menu screen.

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#### 4. Other Screens

From 4-1 – 4-13, the same inspections are performed as in the line inspection

4-14 Display of the Software Version

- Software versions are displayed.
- For the "GPS model specification", AVIC-X3/XU/EW models are indicated as "07 EW 1Din (0x37)", while AVIC-N4/XU/UC models are indicated as "07 UC 1Din (0x38)".

#### 4-15. Picture RGB



- RGB bridge is inspected.
- The screen can be switched by the [4] and [6] keys on the DVD remote controller.
- RGB is drawn in the following pattern: R 100% → R 50% → G 100% → G 50% → B 100% → B 50%.
- Total of 6 screens will be displayed.

#### 4-16. GPS Information



- Move the cursor using the [4] and [6] keys on the DVD remote controller.
- "Position information" will be displayed when the [5] key is pressed on the DVD remote controller while the cursor is at the "Position" position.
- "Status information" will be displayed when the [5] key is pressed on the DVD remote controller while the cursor is at the "Sv Stat" position.
- "Diagnosis information" will be displayed when the [5] key is pressed on the DVD remote controller while the cursor is at the "Ver&Diag" position.
- "Error information" will be displayed when the [5] key is pressed on the DVD remote controller while the cursor is at the "Err Info" position.
- When an inspection is performed, "status information" (the screen shown above) will be displayed first.

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#### 4-17. GSP Sensitivity Measurement

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```
17. GPS sensitivity measurement
Satellite No. 3 [<- -> to selection of the control of the contro
                                                                                                                                                                                                                                                                                                                                                                                                                                                [<- -> to select satellite]
SNR(AMU) SNR(db)
                                  234567
                                                                                                                                                                                                                OK
OK
                                                                                                                                                                                                                                                                                                                                                                   Sensitivity:
DoppRMS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           23.1(db)
0.80(Hz)
                   ALL
```

- GPS can be changed by the [4] and [6] keys.
- Sensitivity of the selected GPS is displayed by the [5] key.
- In case of an unsuccessful communication with the GPS unit, an error screen is displayed.

#### <Supplemental explanation regarding error display>

Displayed message	Details of the error
No connection to DRAGON	Error which occurs when communication with DRAGON is not established. Communication error due to a hardware problem could be the cause. It is highly possible that the hardware on the DRAGON side is defective.
Command Error	Time out error for response to BIOS call.  Communication error due to a hardware problem could be the cause.  It is highly possible that the hardware on the DRAGON side is defective.

#### 4-18. Sound Play

```
18. Sound play

ADPCM fixation 11K

ADPCM fixation 11K

ADPCM fixation 11K

ADPCM fixation 11K

ADPCM fixation 19K

ADPCM fixation 19K

ADPCM fixation 19K
   Guidance Vol.[0-15](level)
                                                                           10
   [4 / 6] Vol up/down
[C] It returns
                       It returns to a menu screen.
```

- Voice file (WAVE format) will be played back.
- The voice selected by the [5] key on the DVD remote controller will be played back.
- Volume level can be changed by the [4] and [6] keys on the DVD remote controller.

#### 4-19. File Maintenance

```
19. File maintenance
Total Capacity: 216.5K Remain:
Media:SRAM Path:¥
NATURE1.JPG 20 12.5K 05/03/2
                                                                185.5K
            MAP.JPG 20
                                    17.7K 05/03/22
                                                              00:00
   [0]Media [1]Operate [9]Help
```

• Files can be copied, deleted or dumped. Refer to [9] HELP for how to use each function.

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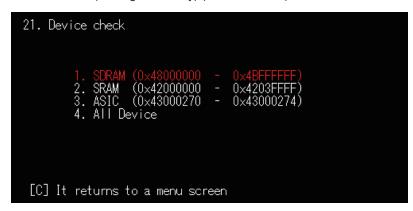
5

#### 4-20. Picture Check

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20. Picture check MENU 1/2 Color Bar Cross Hatch Sweep Step Ramp Window Mono Scope Vertical Resolution Column It selects a item. It returns to a menu screen.

- A pattern is selected by the [2] and [8] keys and an image is displayed by the [5] key.
  - 1. Plain
    - ··· You can display it in the following order by the [4] and [6] keys on the DVD remote controller: black, blue, red, pink, green, light blue, yellow, white.
  - - ....White, yellow, light blue, green, pink, red, blue, and black bars will be displayed from left to right.
  - 3. Cross hatch
  - 4. Sweep
  - 5. Step
  - 6. Lamp
  - 7. Window
  - 8. Mono scope
  - 9. Cycle line 1
  - 10. Cycle line 2
  - 11. Horizontal stripe 1
  - 12. Horizontal stripe 2
  - 13. Chinese character pattern
  - 14. Map (map.jpg)
  - 15. Natural image (nature.jpg)
  - 16. Portrait 1 (hito1.jpg)
  - 17. Portrait 2 (hito2.jpg)
- 4-21. Device Check (for Engineers only) (Not for Service)



- The above devices will be inspected for engineering purpose.
- On each device screen, select a pattern by the [2] and [8] keys on the DVD remote controller, start inspection by the [5] key on the DVD remote controller.

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- SRAM (application domain) is cleared.
- FLASH (application domain) is cleared.
- If SRAM clear is not successful, FLASH will not be cleared.
- After the inspection screen is displayed, the above process is executed by the [0] key on the DVD remote controller.
- The result of the process is displayed.

#### 4-23. Initialization of a Backup Variable



- Backup variables are initialized by the [0] key on the DVD remote controller for system reset.
- The screen will return to the menu screen by the [C] key on the DVD remote controller.

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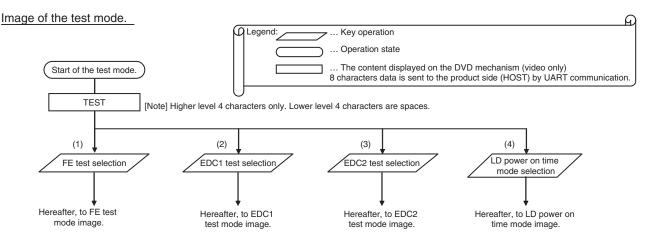
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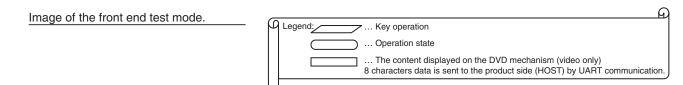
С

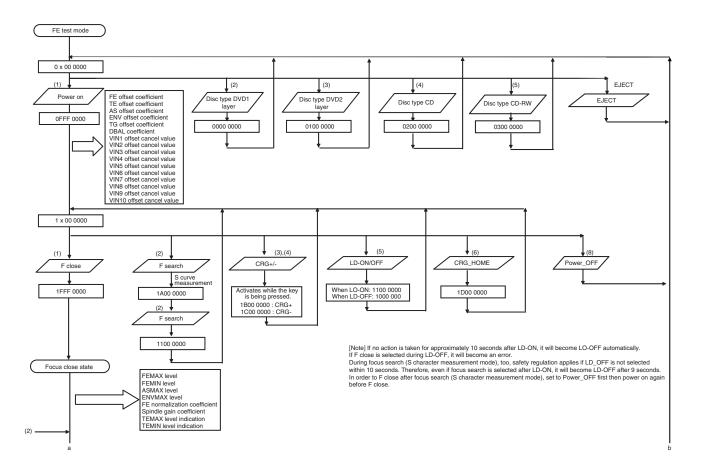
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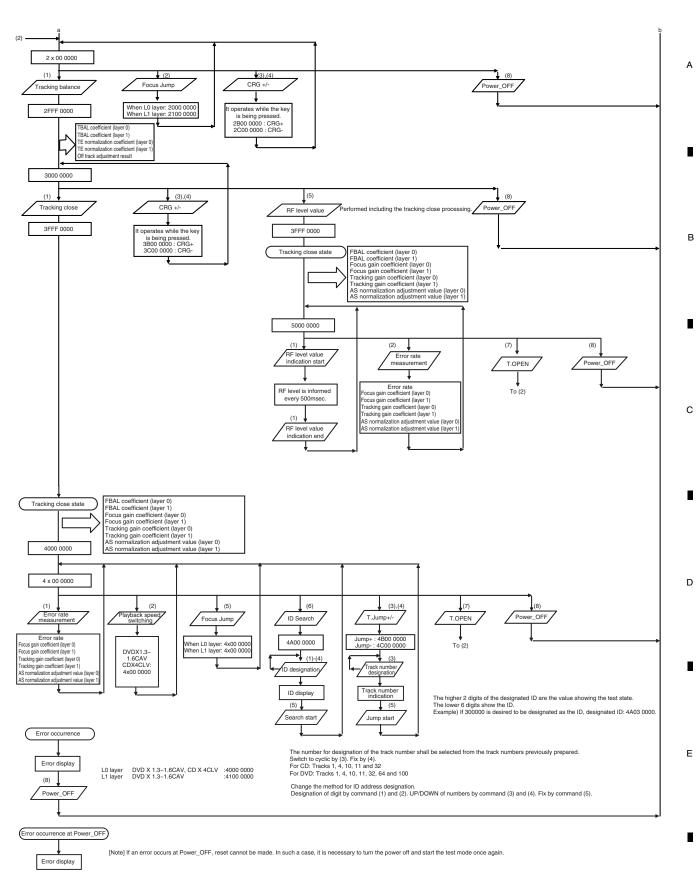
[Note] In order to move on to another test after selecting a test (FE/EDC1/EDC2), it is necessary to restart the DVD mechanism in the test mode.



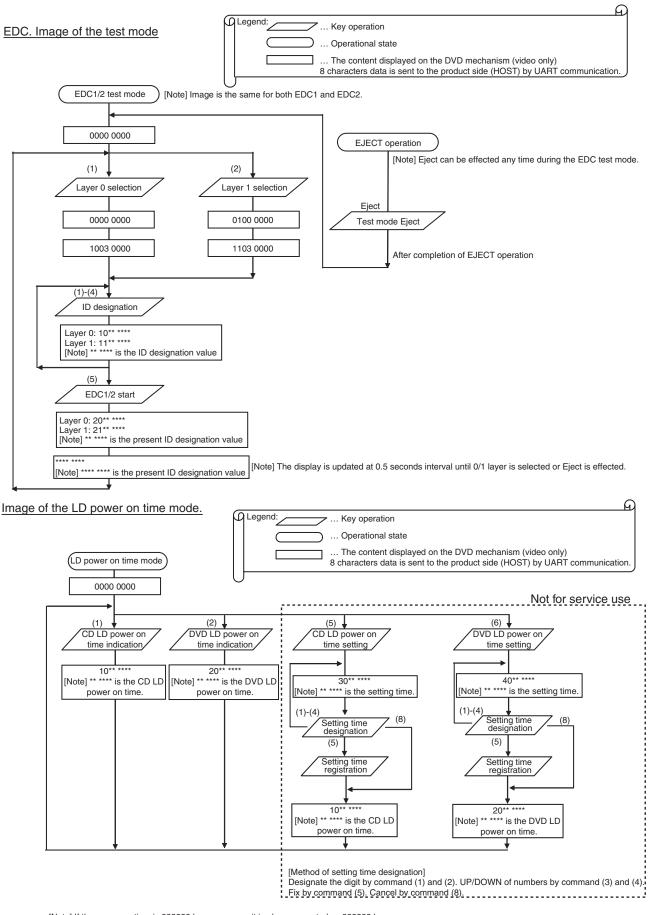


AVIC-N4/XU/UC

**-** 6 **-** 7 **-** 8



AVIC-N4/XU/UC



[Note] If the power on time is 999999 hours or more, it is always reported as 999999 hours. [Note] If the power on time is "\*E\*\* \*\*\*\*, the value may not be correct due to the life of the flash memory.

AVIC-N4/XU/UC

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## 6.4 EJECT LOCK

The setup change method of "EJECT LOCK"

"EJECT LOCK"- ON: When the "EJECT" button is pressed, the disc is not ejected.

"EJECT LOCK" is not canceled by ACC OFF and B.UP OFF and SYSTEM RESET

(Press the "RESET" button).

"EJECT LOCK" is canceled by reoperations(1) to 6).

(Or it's canceled by the backupmemory initialization function in NAVI TEST MODE.)

"EJECT LOCK"- OFF: When the "EJECT" button is pressed, the disc is ejected.

If the following operations(1) to 6) are performed, a setup of "EJECT LOCK" switches between ON and OFF.

- ①Press the "LEFT" button.
- ②Press the "RESET" button, continuing pressing the "LEFT" button.
- 3 Wait for FLAP to stop, continuing pressing the "LEFT" button.
- Press the "MENU" button, continuing pressing the "LEFT" button.
- ⑤Releasing the "MENU" button, continuing pressing the "LEFT" button.
- 6 Releasing the "LEFT" button.
- \* "LEFT" button = [

## 6.5 SLAVE TEST MODE

The setup change method of "SLAVE TEST MODE"

"SLAVE TEST MODE"-ON: The test mode of each source can be used. While a setup is test mode, a touch key for test

modes is displayed in each source.

Source with a test mode:iPOD, IP-BUS(CDM, DVDM, BT TEL, XM, USB, EXT1, EXT2)

"SLAVE TEST MODE" is canceled by ACC OFF.

"SLAVE TEST MODE"-OFF: The test mode of each source can not be used.

If the following operations (1) to (6) are performed, a setup of "SLAVE TEST MODE" switches to ON.

- ①Press the "RIGHT" button.
- ②Press the "RESET" button, continuing pressing the "RIGHT" button.
- 3 Wait for FLAP to stop, continuing pressing the "RIGHT" button.
- Press the "MAP" button, continuing pressing the "RIGHT" button.
- ⑤Releasing the "MAP" button, continuing pressing the "RIGHT" button.
- 6 Releasing the "RIGHT" button.
- \* "RIGHT" button = button

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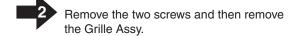
Ε

# 7. DISASSEMBLY

## Removing the Grille Assy (Fig.1)

Remove the two screws and then remove the Holder.

Disconnect the connector.



## Removing the Case

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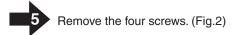
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Remove the six screws.(Fig.1)

Remove the screw and then remove the Case.(Fig.1)

Note) Inside the product there is a flexible substrate that connects the Case and the Bracket. Be very careful and do not give it a strong pull when removing the Case, otherwise it may be torn.



Disconnect the connector and then remove the Bracket. (Fig.2)
Remove the Case.(Fig.1)

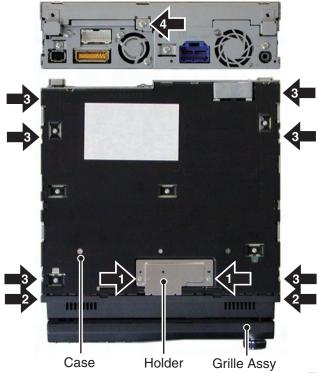


Fig.1

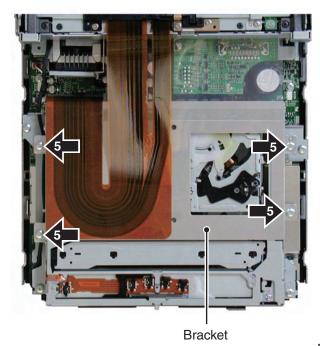
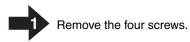


Fig.2

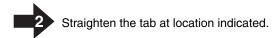
AVIC-N4/XU/UC

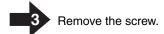
## Removing the DVD Mechanism Module (Fig.3)



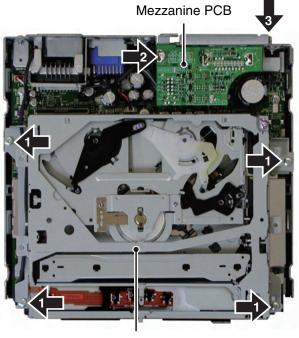
Disconnect the connector and then remove the DVD Mechanism Module.

## Removing the Mezzanine PCB (Fig.3)





Disconnect the connector and then remove the Mezzanine PCB.



**DVD Mechanism Module** 

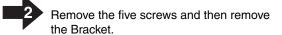
**Bracket** 

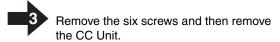
Fig.3

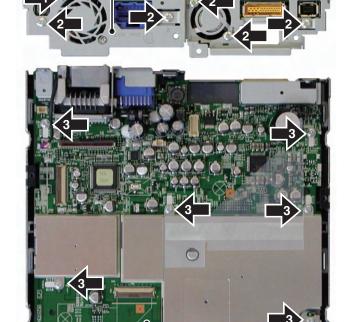
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## Removing the CC Unit (Fig.4)









CC Unit

Fig.4

AVIC-N4/XU/UC

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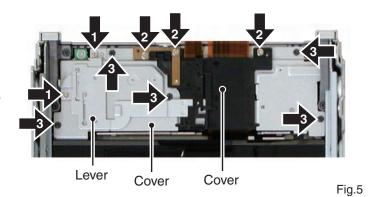
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# ■ Removing the Case (Fig.5)

Remove the two screws and then remove the Lever.

Remove the three screws and then remove the Cover.

Remove the five screws and then remove the Cover.



Removing the Display Assy

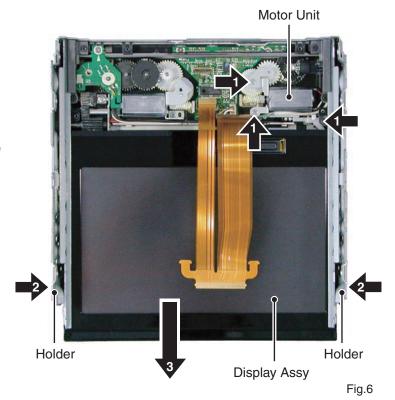
Remove the three screws.(Fig.6)

Disconnect the connector and then remove the Motor Unit.

Remove the two screws and then remove the two Holders.(Fig.6)

Pull out the Display Assy in the arrow indicated direction.(Fig.6)

Pull out the Display Assy to the proper position (indicated on Fig. 7). And then, push the white knob (indicated on the figure) and draw out the Display Assy.



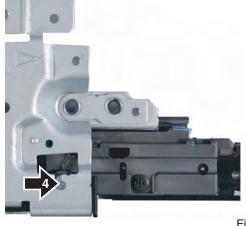


Fig.7

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Remove the two screws and then remove the Holder.

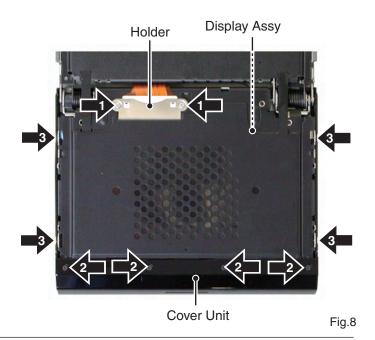


Remove the four screws and then remove the Cover Unit.



Remove the four screws.

Disconnect the connector and then remove the Display Assy.



## Removing the Monitor PCB (Fig.9)

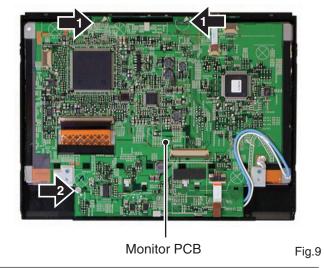


Straighten the tabs at two locations indicated.



Remove the screw.

Disconnect the connector and then remove the Monitor PCB.



AVIC-N4/XU/UC

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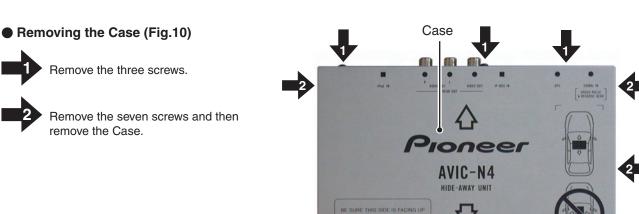
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BE SURE THIS SIDE IS FACING UP

USE INPUT ONLY FOR REVERSE OR MIRROR IMAGE REAR VIEW CAMERA
OTHER USE MAY RESULT IN INJURY OR DAMAGE

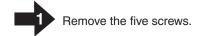
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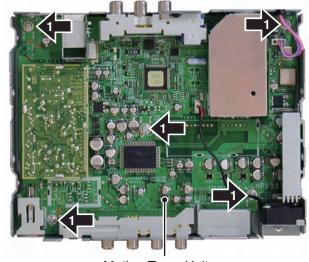
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## Removing the Mother Tuner Unit (Fig.11)



Disconnect the connector and then remove the Mother Tuner Unit.



Mother Tuner Unit

Fig.11

Fig.10

AVIC-N4/XU/UC

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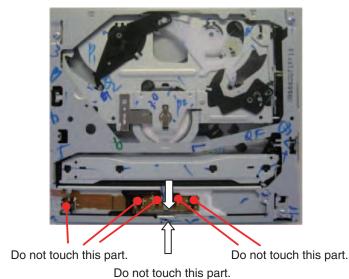
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### How to hold the mechanism section (Fig 1)

- 1. Hold the main frame and the top frame.
- 2. As the mechanical strength of the front part of the top frame is not strong, do not hold this part.
- 3. Do not touch the switches provided on the top face of the mechanism section.
- 4. Be careful not to pull the flexible PCB on the side face.

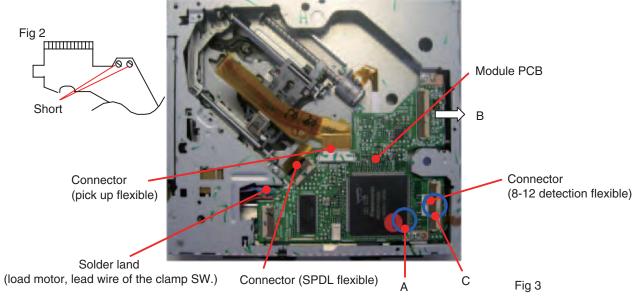


## ■ How to remove the module PCB (Fig 2, Fig 3)

- 1. Put the mechanism section in locked state (disc load standby position).
- 2. Hold the mechanism module with its top face down.
- 3. Make the lands at 2 locations on the pick up flexible PCB short.
- 4. Disconnect the connectors of the pick up flexible PCB and the SPDL flexible PCB. (Be sure to disconnect the connectors as the flexible PCB will be damaged if the PCB is removed without removing the flexible PCB.)

Fig 1

- 5. Remove the solder joint of the lead wire of the load motor and the clamp SW.
- 6. Remove the two screws, and then remove the module PCB. (Lift up point A slightly and remove it toward B direction. Be careful as the point C is connected with a flexible PCB.)
- 7. Disconnect the connector of the 8-12 detection flexible PCB from the PCB.



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## ● How to remove the CRG motor assy (Fig 4)

- 1. Remove the module PCB according to the instructions in "How to remove the module PCB".
- 2. Remove the Mylar tape.
- 3. Remove the flexible PCB of the CRG motor from the connector of the spindle motor.
- 4. Remove the two screws, and then remove the CRG motor assy.

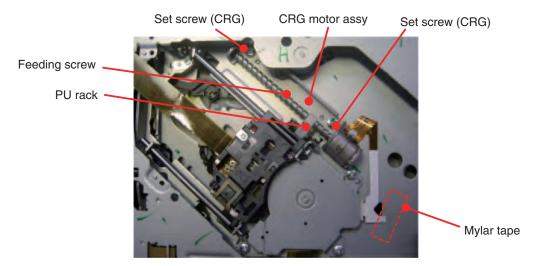


Fig 4

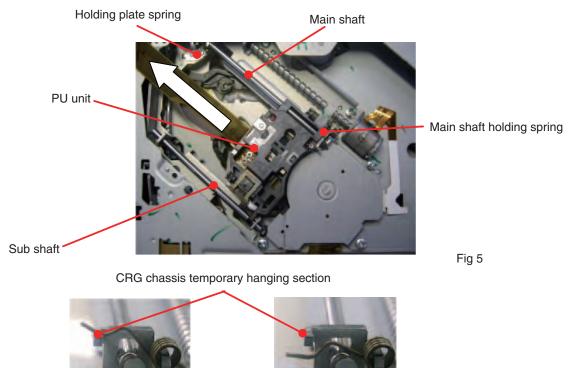
## ● How to remove the PU unit (Fig 5)

- 1. Remove the module PCB according to the instructions in "How to remove the module PCB".
- 2. Hang the main shaft holding spring to the CRG chassis temporary hanger.
- 3. Remove the CRG motor assy according to the instructions in "How to remove the CRG motor assy".
- 4. Remove the holding plate spring of the main shaft.

Temporary hanging

5. While lifting up the tip of the pick up rack, slide the main shaft, and remove the PU unit.

(Note) When mounting the PU unit again, make sure to do the adjustments of the devices mounted thereon according to the descriptions of the service manual. Furthermore, make sure to hang the main shaft holding spring permanently.



AVIC-N4/XU/UC

Permanent hanging

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# 8. EACH SETTING AND ADJUSTMENT 8.1 DVD ADJUSTMENT



#### 1) Precautions

This product uses  $5\,V$  and  $3.3\,V$  as standard voltages. The electrical potential that is the reference for signals, is not GND, but VREF (approximately  $2.2\,V$ ) and VHALF (approximately  $1.65\,V$ ).

During product adjustments, if the reference voltage is mistakenly taken as GND, and a grounding contact is made, not only would it be impossible to measure the accurate electrical potential, but also the servo motor would malfunction, resulting in the application of a strong impact on the pick up. The following precautionary measures should be strictly adhered to, in order to avoid such problems.

The reference voltage and GND should not be confused when using the minus probe of a measurement device. When an oscilloscope is being used special care should be taken to make sure that the reference voltage is not connected to the probe of ch1 (on the minus side), while the probe of ch2 (on the minus side), is connected to GND. Further, since the body frame of most measurement devices have the same electrical potential as the minus side of the probe, the body frame of the measurement device should be set to floating ground.

If the reference voltage is connected to GND by mistake, turn the regulator OFF immediately, or turn the power OFF.

- Remove the filters and wires used for measurements only after the regulator has been turned OFF.
- For stable circuit operation, keep the mechanism operating for about one minute or more after the regulator is turned on.
- Whenever the product is in the test mode, the software will not take any protective action. For this reason, special care should be taken to make sure that no mechanical or electrical shock could be applied to the product when taking measurements in the test mode.
- Whenever the EJECT key is pressed to eject the disk, no other keys, other than the EJECT key, should be pressed until the disk eject action has been completed.
- If the product hangs up turn the power OFF immediately.
- Laser didoes may be damaged, if the volume switch for the laser power adjustment of the pick up unit, is turned.

#### Attention)

•Test mode stopping procedure Reset or ACC OFF-ON.

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## SKEW adjustment

When one of the following replacements has taken place, SKEW adjustment for the pick up will be required.

- (1) Replacement of the pick up unit
- (2) Replacement of the spindle motor (3) Replacement of the carriage chassis
- (4) Replacement of the main shaft of the pick up unit
- (5) Replacement of the sub shaft of the pick up unit

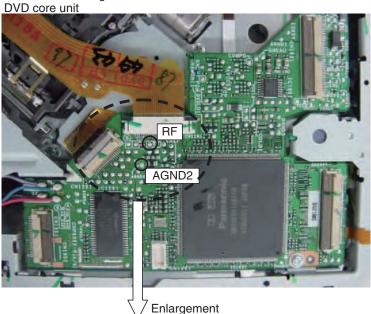
•Measurement equipment and tools/jigs: Oscilloscope

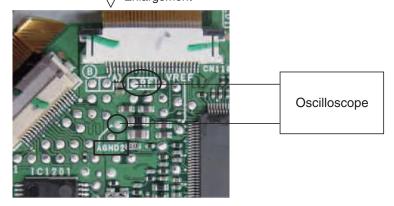
Driver for SKEW adjustment → TORX driver (T2) (GGK1095)

Bond for fixing the SKEW (GEM1033)

Bond for locking the screw (Locking agents(1401M: produced by THREE BOND))

- ·Disc used: GGV1018
- Measurement reference: AGND2
- · Measurement point: RF
- · Connection drawing





Symptom in case the adjustment is not adequate: Worsening of the error rate 10<sup>-3</sup>

(Normally 10<sup>-4</sup> or less.)

Large RF jitter RF waveform distortion

Tracking drawing/Unstable servo

\* Caution: Do not look into the laser light during adjustment.

AVIC-N4/XU/UC

There are two methods for adjustment, a method whereby the adjustment is made while monitoring the RF waveform using the oscilloscope (method ①) and a method whereby the adjustment is made while checking the RF level in value by OSD (method ②).

The adjustment procedure is shown below. Refer to the paragraph for the service test mode regarding entering of the test mode and the operation procedure.

#### Adjustment procedure:

- 1. Turn the DVD mechanism module upside down so that the pick up can be adjusted. When the module is turned upside down, there is a possibility that the disc is rubbed. So, first place a coin with the thickness of approximately 1.5 mm on a desk, and set the module upside down in a way that section ① in the illustration below comes right above the coin.
- 2. Install the pick up. (Refer to the section regarding removal of the pick up from the mechanism unit.)

  As for the precautions in handling the pick up, refer to the precautions in handling the PU as described below.
- 3. Method 1:

Connect the oscilloscope by referring to the connection drawing so that the RF signal can be monitored with AGND2 as the reference.

Method ②:

There is no need for setting of any equipment. Proceed to step 4.

- 4. Turn the power ON, and load the disc for adjustment.(GGV1018)
- After setting the disc type to DVD layer 1 in the front end test mode, turn the power ON, and move the pick up to the inner periphery. (CRG – Home)
- 6. Turn the LD ON.
- 7. Set to focus close, and make auto adjustment for all items under that state, then set to tracking close. And make auto adjustment for all items under that state as well.
- 8. Make an intermediate periphery (ID: 100 000) search, and move the PU to intermediate periphery.
- 9. Method 1:

Proceed to step 10.

Method 2:

After setting to Tracking Open, make all auto adjustments, and set to Tracking Close this time with a command that can be RF displayed. Make auto adjustment for all items under that state as well.

10. Use TORX driver (T2) (GGK1095) for the following.

Method 1:

While monitoring the RF waveform on the oscilloscope, turn SKEW adjustment screw A just a little bit in a way that the level will reach the maximum.

While the pick up is at the intermediate periphery, turn SKEW adjustment screw B just a little bit in a way that the level will reach the maximum.

While the pick up is at the intermediate periphery, turn SKEW adjustment screw A just a little bit in a way that the level will reach the maximum.

(Make adjustment in the order of A -> B -> A, Please end the each adjustment by turning screw clockwise. ) Method ②:

While monitoring the RF level value on the OSD display, turn the SKEW adjustment screw A just a little bit in a way that the level will reach the maximum.

While the pick up is at the intermediate periphery, turn SKEW adjustment screw B just a little bit in a way that the level will reach the maximum.

While the pick up is at the intermediate periphery, turn SKEW adjustment screw A just a little bit in a way that the level will reach the maximum.

(Make adjustment in the order of A -> B -> A, Please end the each adjustment by turning screw clockwise.) If the error is not good, please perform Method  $\bigcirc$  again.

- 11. Turn the power OFF in the test mode, and after confirming that the disc has stopped, eject the disc.
- 12. Apply adhesive for fixing the SKEW and lock the screw. Refer to the illustration below for the adhesion points.

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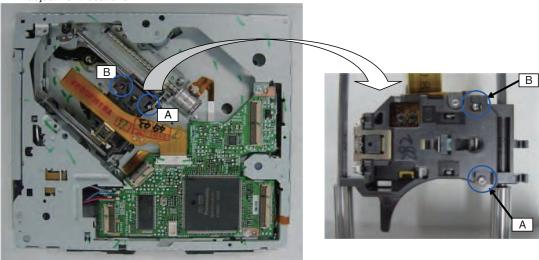
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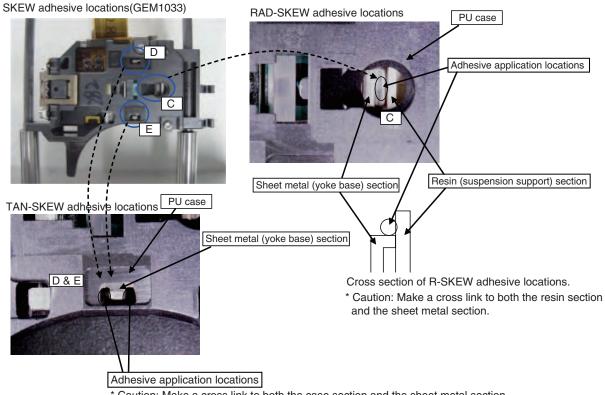
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SKEW adjustment locations.



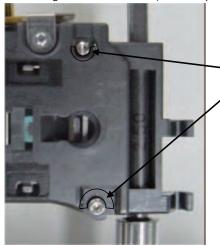


\* Caution: Make a cross link to both the case section and the sheet metal section.

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Screw locking adhesive location

Apply the locking agent for more than half of the screw head circumference.

\* Caution: The locking agent shall not overflow to outside of the PU case.

Precautions in handling the PU.

\* Caution: Do not touch the shaded section in the drawing below.

RF level adjustment section

Hologram (be careful for the static electricity) GRT adjustment section

Do not touch the optical parts.

Do not touch the springs.

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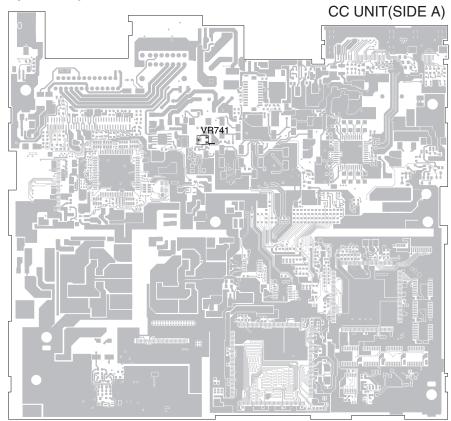
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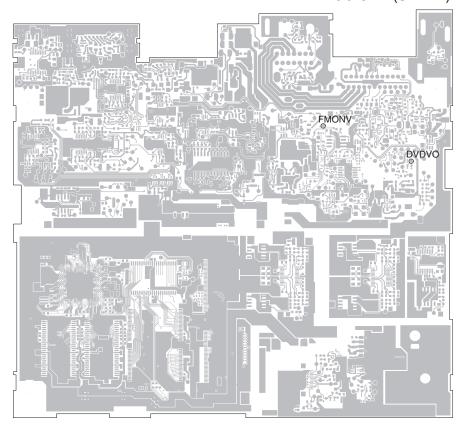
# **8.2 CC UNIT ADJUSTMENT**

(2)

Adjustment point



CC UNIT(SIDE B)



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Step	ltem	Mode	Input signals (Input test pin, standard, other conditions)	Output signals (Measurement test pin, circuit description)	Measuring instrument	Standard (Other instructions)	Adjusting element
_	Image adjustment/ inspection						
				Measuring point : TP FMONV (To be terminated in 10 kΩ or above)			
<u> </u>	Image level adjustment	Image	mage Apply a white 100% image signal (1Vp-p) to TP DVDVO, and set the monitor image output to DVD.		Oscilloscope	1.0±0.05 Vp-p	VR741
			Receive 75 $\Omega$ from the signal generator.				

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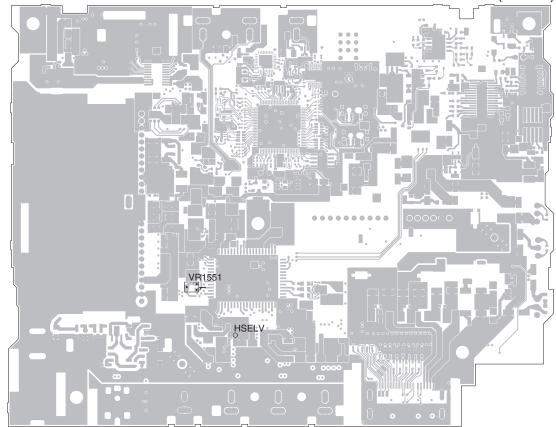
AVIC-N4/XU/UC

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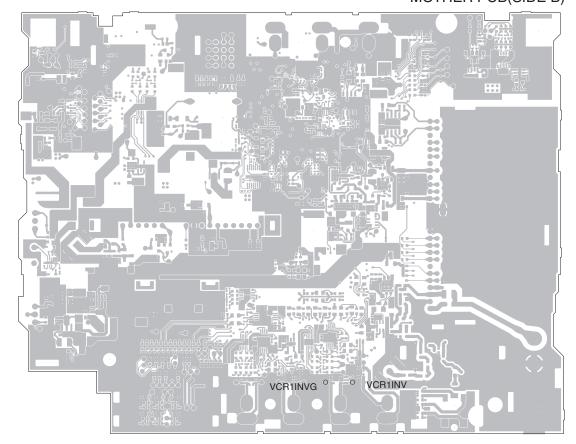
# **8.3 MOTHER PCB ADJUSTMENT**

Adjustment point

MOTHER PCB(SIDE A)



MOTHER PCB(SIDE B)



AVIC-N4/XU/UC

VR1551
• 1.00 ± 0.05 Vp-p The level is measured between the sync tip and 100IRE (wave top) • To be terminated in 75 Ω
Oscilloscope
Measurement test pin:HSELV
Input test pin: VCR1INV(Signal line) VCR1INVG(Signal GND) 100 IRE (white 100%) 1.0 Vp-p (Input signal is terminated in 75 \Omega)
Image
Select-Image level adjustment
-

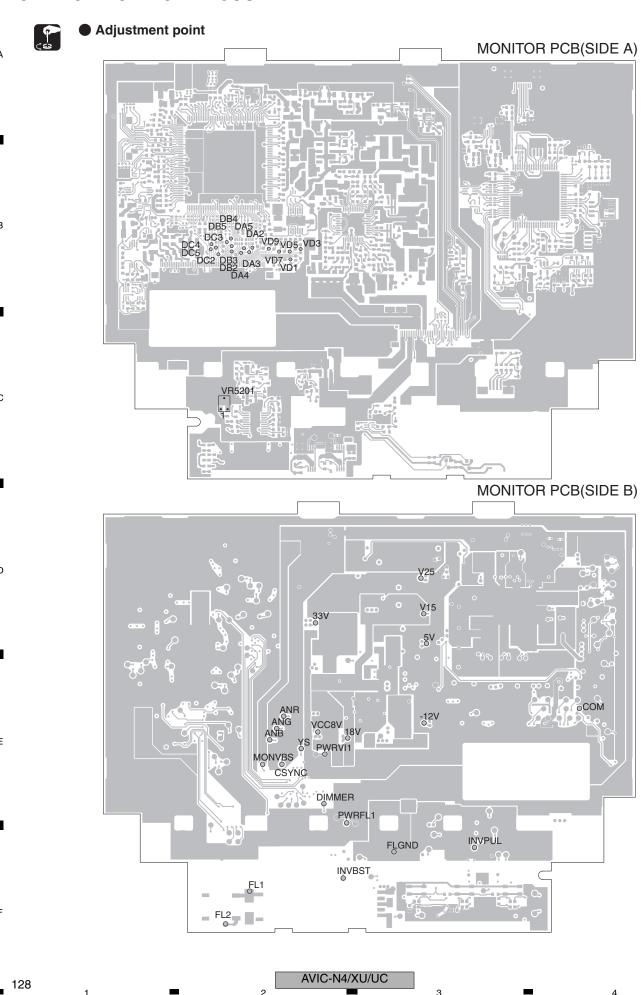
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# **8.4 MONITOR PCB ADJUSTMENT**



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Remarks

**Description of Adjustment** 

 $V33 = 3.3 \pm 0.25 \text{ V}$ 

TP 33V

14.4v to TP PWRVI1

3.3 V Power supply

verification

 $V25 = 2.5 \pm 0.15 \text{ V}$ 

**TP V25** 

ditto

2.5 V Power supply verification

N

 $V15 = 1.5 \pm 0.08 \text{ V}$ 

TP V15

ditto

1.5 V Power supply verification

ო

 $V5 = 4.9 \pm 0.3 \text{ V}$ 

TP 5V

ditto

5 V Power supply verification

4

When the power supply for TC90A96BFG is OFF, be careful not to apply any voltage to its terminals except for IIC lines(SDA and SCL). The IIC lines can accept a maximum of 5V.

Measurement Adjustment Point

Input Signal

Adjustment Item

6

7

 $VM12 = -12.0 \pm 0.6 V$ 

TP -12V

ditto

-12 V Power supply verification

 $V18 = 18.5 \pm 0.8 \text{ V}$ 

**TP 18V** 

ditto

18.5 V Power supply verification

9

 $V8 = 8.0 \pm 0.5 \text{ V}$ 

TP VCC8V

ditto

8 V Power supply verification

2

8

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AVIC-N4/XU/UC

5

8	Adjustment Item	Input Signal	Measurement Point	Adjustment Point	Description of Adjustment	Remarks
				COM AMP AJ	4.70 ± 0.10 V	Measure with LCD panel connected
ω	Vcom Amplifier Output Amplitude Adjustment	Not defined	TP COM	Set value (COMAC output of monitor microprocessor)	<>	[Symptoms of poor adjustment] • Bright Screen (Snall amplitude) • Dark Screen (large amplitude)
6	Gradation voltage amplitude verification V1	Not defined	TP VD1	l	4.20 ± 0.30 V	Measure with LCD panel connected
10	Gradation voltage amplitude verification V3	Not defined	TP VD3	l	1.75 ± 0.10 V	Measure with LCD panel connected
11	Gradation voltage amplitude verification V5	Not defined	TP VD5	I	0.35 ± 0.10 V	Measure with LCD panel connected
12	Gradation voltage amplitude verification V7	Not defined	TP VD7	I	0.60 ± 0.10 V	Measure with LCD panel connected
13	Gradation voltage amplitude verification V9	Not defined	TP VD9	I	3.30 ± 0.20 V	Measure with LCD panel connected

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AVIC-N4/XU/UC

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tin mode, the a low level.  TV/video sou  TV/video sou  TV/video to ain order to to to the tracks.		5	<u>δ</u>	ILCO ILCO	7	=
Remari  0-3.3 V logic level ir  (Synchronized section and the area was sometimes drops to sometimes.  Check the EEPROM after writing.	Remarks	0-3.3 V logic level input (Synchronized section 0 V)	During OSD display in microprocessor test mode, the output of the area with characters sometimes drops to a low level.	[Symptoms of poor adjustment] • White screen on the TV/video source • Dark screen on the TV/video source	Check the EEPROM set value after writing.	Perform verification in order to check whether the digital output of P in P IC is bridged or open.

Check that each output keeps Hi

level (3.3 V) during the image

display period.

TP DA2 - DA5 TP DB2 - DB5 TP DC2 - DC5

signal to TP ANR, ANG,ANB (0.70 Vpp ± 1%)

RGB digital output check

15

Input of White-100%

50 μS

3.3 V

**Description of Adjustment** 

Measurement Adjustment

Point

Point

Input Signal

Adjustment Item

2

15.734 kHz

3.3 V

Input of sync signal to TP CSYNC

Preparation for image check

4

5

					15.734 KHz	
16	Composite level adjustment	Input of composite image 10STEP signal to TP MONVBS (1.0 Vpp ± 1%)	DAC jig output	Register setting of SA13h D5-0	Amplitude between the 9th and 0 tones shall be 1.77 V ± 0.03 V.	[Symptoms of poor adjustment] • White screen on the TV/video source • Dark screen on the TV/video source
17	YS operation check	Signal input to TP YS 0-3.3 V			Check that YS operates.	
18	YS_OFFSET Setting verification	Not defined	I	Register setting of SA2Fh D3-0	[YS DELAY] shall be 7 in EEPROM test mode.	Check the EEPROM set value after writing.
19	Image verification	Input of composite image lamp signal (monochrome) to TP MONVBS	Screen	I	Check that the tones change smoothly, and that there are no colored section on the whole screen.	Perform verification in order to check whether the digital output of P in P IC is bridged or open.
			VS.,	.**h" in the tabl	"SA**h" in the table denotes the sub-address of TC90A96BFG.	6BFG.

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AVIC-N4/XU/UC

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**Backlight Inverter Adjustment** 

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8	Adjustment Item	Input Signal	Measurement Point	Adjustment Point	Measurement Adjustment Description of Point Point Adjustment	Remarks
20		Adjustment of Ground TP DIMMER. standard driving Ground TP FLGND. frequency Ground TP INVBST.	TP FL1 TP FL2	VR5201	48.0 ± 0.1 kHz	Connect 100 kg between TP FL1 and FL2. Measure by means of the wave pattern after voltage division, or at TP FL2. Do not measure TP FL1 directly. (Due to high voltage, it may result in damage of the measuring instrument.) [Symptoms of poor adjustment] • Backlight does not light up.
21	Frequency change check 1	Input the following wave pattern of 98.0 ± 1 kHz to INVPUL. 10 ± 2%    10 ± 2%    10 0 V	TP FL1 TP FL2		49.0 ± 0.5 kHz	Check that the frequency of the wave pattern recorded in No.20 is 49 kHz.
22	Frequency change check 2	Input the following wave pattern of 104.0 ± 1kHz to INVPUL.  10 ± 2%  10 = 2%  0 V	TP FL1 TP FL2		52.0 ± 0.5 kHz	Check that the frequency of the wave pattern recorded in No.20 is 52 kHz.

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AVIC-N4/XU/UC

The value of "\*\*" differs depending on the

product status.

SERVICE MODE Character display:

[FACTORY COM DC

Pattern for flicker adjustment... Picture consisting of White 50% and Black

Enter the "Service Adjustment Mode"

Keep the unit in the operation mode for 30 minutes or longer.

Description of operation

Adjustment

Measurement

In case of a check of the product

**Procedure** 

ŝ

Point

Point

displayed alternately in each horizontal

scanning line.

and select "11. Horizontal Stripe 1" from the "20. Picture Check Menu"

Screen

Screen display verification

က

Insert the "GGV1310" (Test Disc)

Background screen:

5

Remarks

6

Operable with the buttons on the main unit.
[Symptoms of poor adjustment]
• The screen flickers

Change the value using the left/right buttons to select a value to minimize

COM DC

Screen

Flicker adjustment

4

the flickering on the screen.

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AVIC-N4/XU/UC

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"Service Adjustment Mode"

N

Aging

\*) Since this product dose not have OSD IC, OSD for adjustment is displayed by using GGF1416 at the time of monitor adjustment.

#### ■ EEPROM Setting Mode

[Operation Specification]

- When you reset the microprocessor for the monitor while the [EPRTEST] port is set at "Low", the system goes to [Flicker Adjustment Mode]
- Use remote controller (CXC6317 SW1 : AVH, SW2 : AVH) MENU key on the remote controller to switch between the setting modes:
- →[Flicker Adjustment Mode]→[Line Adjustment 1 Mode]→[Line Adjustment 2 Mode]→[Line Adjustment 3 Mode]
- →[Line Adjustment 4 Mode]→[Line Adjustment 5 Mode]→[Line Adjustment 6 Mode]→[Line Adjustment 7 Mode]
- →[Line Adjustment 8 Mode]→[Line Adjustment 9 Mode]→[Line Adjustment 10 Mode]→[Dimmer Parameter Setting mode]→
- Use ↓ and ↑ keys to select the item to adjust.
- Use ← and → keys to adjust the selected item.
   (Pressing of the monitor key in this adjustment mode does not affect the operation of the main unit.)
- \* In AVIC-N4/XU/UC and AVIC-X3/XU/EW5, key operation on the main unit is invalid.
  - \* The setting values are written in the EEPROM and then read-out to display the read out data.

    WRITE and READ operations are processed by the block data of 16 bits. The total bits for the settings depend on adjusting items
  - \* For CS (Check Sum) operation items, when the settings are changed, the CS value is written in 8 bits by applying the exclusive logic sum (XOR). The CS value here is also first written in the EEPROM and then read out to display the read out data. If the written data is different from the read-out data, the letter color for the read-out data is changed.

AVIC-N4/XU/UC

## **EEPROM Memory Allocation (BR93L56FJ-W)**

5

	Address	BIT15BIT14B	IT13BIT12	BIT11BIT10	віт9 віт	8 BIT7 BIT6	віт5 віт4	вітз віт2	BIT1 BIT0	Initial value (HEX)	
	00h	(Secured as	Don't data storage a	Care area for intellige	ent dimmer)	(Secured a	Don't s data storage	Care area for intellig	ent dimmer)	BA60	
	01h	(Secured as	Don't data storage a	Care area for intellige	ent dimmer)	(Secured a	Don't	Care area for intellig	ent dimmer)	C459	
	02h	Tou	ıch Panel X	Coordinate	1	T	ouch Panel \	Y Coordinate	e 1	0000	
	03h	Tou	ıch Panel X	Coordinate	2	To	ouch Panel \	Y Coordinate	e 2	0000	
	04h	Tou	ıch Panel X	Coordinate	3	T	ouch Panel \	Y Coordinate	e 3	0000	
	05h	Tou	ıch Panel X	Coordinate	4	To	ouch Panel \	Y Coordinate	e 4	0000	
	06h	Tou	ıch Panel X	Coordinate	5	To	ouch Panel \	Y Coordinate	e 5	0000	
	07h	Tou	ıch Panel X	Coordinate	6	To	ouch Panel \	Y Coordinate	e 6	0000	
	08h	Tou	ıch Panel X	Coordinate	7	T	ouch Panel \	Y Coordinate	e 7	0000	
	09h	Tou	ıch Panel X	Coordinate	8	To	ouch Panel \	Y Coordinate	e 8	0000	
	0Ah	Tou	ıch Panel X	Coordinate	9	T	ouch Panel \	Y Coordinate	9	0000	
	0Bh	Tou	ch Panel X	Coordinate	10	То	uch Panel Y	Coordinate	10	0000	
	0Ch	Tou	ch Panel X	Coordinate	11	То	uch Panel Y	Coordinate	11	0000	
	0Dh	Tou	ch Panel X	Coordinate	12	То	uch Panel Y	Coordinate	12	0000	
Bank 1 -	0Eh	Tou	ch Panel X	Coordinate	13	To	uch Panel Y	Coordinate	13	0000	
	0Fh	Tou	ch Panel X	Coordinate	14	To	uch Panel Y	Coordinate	14	0000	
	10h	Tou	ch Panel X	Coordinate	15	To	uch Panel Y	Coordinate	15	0000	
	11h	Tou	ch Panel X	Coordinate	16	To	ouch Panel Y	Coordinate	16	0000	
	12h	Outermost periphery X min				C	Outermost pe	eriphery Y m	in	282D	
	13h	Outermost periphery X max				C	outermost pe	riphery Y m	ax	F3EC	
	14h	Touch Panel Calibration Adjustment Result			Touc	ch Panel Out Adjustme	ermost Peri	phery	0000		
	15h	Common Reverse Output DC Center Value			Common Reverse Output Amplitude Adjusting Value			5C96			
	16h	Don't care	e Brightness R			Don't care			5000	SA0Ch	
	17h	Processing Don't care	E	Brightness G	i		Don't care			9000	SA0Dh
	18h	Don't care Brightness B				Don't care			1000	SA0Eh	
	19h		Don't	care		Don't care		ain Y Contra	ast	3C22	SA0Fh
	1Ah	Don't care	Main H Gain	orizontal En Limiter	hancer f0	Main Gain	Vertical Enh Loopback	Core Ring	Don't care	0000	SA10h
	1Bh			Don't care				ub Y Contra	st	3E1A	SA13h
	1Ch	Don't care	Sub Ho	orizontal Enh	nancer f0	Sub Gain	Vertical Enha	ancer Core Ring	Don't care	1598	SA14h
	1Dh		3 Simu. adient B	R Output		Don't care		nul. γ 1 Inflec	tion Point	C800	SA1Ah

Dimmer
Calibration
VCOM
PIP
Dot Adjust

В

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3

Dimmer
Calibration
VCOM
PIP
Dot Adjust
Initial value

	Address	BIT15BIT14BIT13BIT12	BIT11BIT10BIT9BIT8	BIT7 BIT6 BIT5	BIT4	BIT3 BIT2	BIT1 BIT0	Initial value (HEX)	
	1Eh	RGB Simu. γ Gradient B	Simu. γ 2 Inflection Point	RGB Simu. γ Gradient B	RGB	Simu. γ 3 Inf	lection Point	2421	SA1Bh
	1Fh	Don't care	G Output DC Offset		Don't	care		C800	SA1Ch
	20h	Don't care	B Output DC Offset		Don't	care		4800	SA1Eh
	21h	RGB & YS Hori	zontal Alignment		Don't	care		3F11	SA2Bh
	22h	YS Sampling Phase	Bch Sampling Phase	Gch Sampling P	nase	Rch Samp	oling Phase	8777	SA2Dh
	23h		Don't care				de-delay ng Value	0007	SA2Fh
	24h	Dot Search	Thresh Value	YS Se	arch T	hresh Value	e	7003	
	25h	Phase Search	n Thresh Value	Xdisp (RGB Displ	ay Allo	wable Diffe	rence Level)	7020	
	26h	Don'	t care	YSdisp (Display	Allowa	able Differe	nce Level)	0002	
	27h	SA24h	UPPER	S	A24h L	OWER		9E0D	SA24h
	28h	SA25h	UPPER	S	A25h L	OWER		CC04	SA25h
	29h	SA26h U	PPER TV	SA	26h LC	WER TV		8C88	for TV Source: SA26h
	2Ah	SA26h	UPPER	S	A26h L	OWER		8C8D	for other sources: SA26h
	2Bh	SA27h U	PPER TV	SA	27h LC	WER TV		6444	for TV Source: SA27h
Bank 1	2Ch	SA27h	UPPER	S	A27h L	OWER		9889	for other sources: SA27h
Dank I	2Dh	SA46h	UPPER	S	A46h L	OWER		0200	SA46h
	2Eh	SA47h	UPPER	S	447h L	OWER		0300	SA47h
	2Fh	SA48h	UPPER	S	A48h L	OWER		0000	SA48h
	30h	SA49h	UPPER	S	449h L	OWER		0000	SA49h
	31h	SA4Ah	S.	A4Ah L	OWER		0000	SA4Ah	
	32h	SA4Bh	S.	A4Bh L	OWER		0000	SA4Bh	
	33h	SA4Ch	SA4Ch LOWER		0000	SA4Ch			
	34H	SA4Dh	S	A4Dh l	OWER		0000	SA4Dh	
	35H	SA4Eh	UPPER	SA4Eh LOWER		0000	SA4Eh		
	36H	SA4Fh	UPPER	SA4Fh LOWER		0000	SA4Fh		
	37H	Coordinate Value	for Xmin Correction	Coordinate 0	alue f	or Ymin Co	rrection	0101	
	38H		Coordinate Value f	or Xmax Correctio	1			01E0	
	39H		Coordinate Value f	or Ymax Correctio	n			00EA	
	3Ah	Touch AD Correction	n Value X Coordinate	Touch AD Cor	rection	Value Y Co	oordinate	0000	
	3Bh		Chec	ksum				4565	

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Dimmer Calibration VCOM PIP

Dot Adjust

8

Α

В

С

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7

	Address	BIT15BIT14BIT13BIT12BIT11BIT10BIT9BIT8	BIT7 BIT6 BIT5 BIT4 BIT3 BIT2 BIT1 BIT0	Initial value (HEX)
	3Ch	Don't care With/without Flicker adjustment Adjust.	Common Reverse Output DC Center Reference Value	005C
Donk 1	3Dh	RGB & YS Horizontal Alignment Reference Value	Don't care	3F11
Bank 1	3Eh	YS Sampling Phase Ref. Value Ref. Value	Gch Sampling Phase Ref. Value Ref. Value	8777
	3FH	Don't care	YS Inside-delay Adjust. Value Ref. Value	0007
	40H	Don't Care (Secured as data storage area for intelligent dimmer)	Don't Care (Secured as data storage area for intelligent dimmer)	BBC4
	41H	Don't Care (Secured as data storage area for intelligent dimmer)	Don't Care (Secured as data storage area for intelligent dimmer)	BAC4
	42H	Don't Care (Secured as data storage area for intelligent dimmer)	Don't Care (Secured as data storage area for intelligent dimmer)	6059
	43H	[User] Touch Panel X Coordinate 1	[User] Touch Panel Y Coordinate 1	0000
	44H	[User] Touch Panel X Coordinate 2	[User] Touch Panel Y Coordinate 2	0000
	45H	[User] Touch Panel X Coordinate 3	[User] Touch Panel Y Coordinate 3	0000
	46H	[User] Touch Panel X Coordinate 4	[User] Touch Panel Y Coordinate 4	0000
	47H	[User] Touch Panel X Coordinate 5	[User] Touch Panel Y Coordinate 5	0000
	48H	[User] Touch Panel X Coordinate 6	[User] Touch Panel Y Coordinate 6	0000
Bank 2	49H	[User] Touch Panel X Coordinate 7	[User] Touch Panel Y Coordinate 7	0000
	4AH	[User] Touch Panel X Coordinate 8	[User] Touch Panel Y Coordinate 8	0000
	4BH	[User] Touch Panel X Coordinate 9	[User] Touch Panel Y Coordinate 9	0000
	4CH	[User] Touch Panel X Coordinate 10	[User] Touch Panel Y Coordinate 10	0000
	4DH	[User] Touch Panel X Coordinate 11	[User] Touch Panel Y Coordinate 11	0000
	4EH	[User] Touch Panel X Coordinate 12	[User] Touch Panel Y Coordinate 12	0000
	4FH	[User] Touch Panel X Coordinate 13	[User] Touch Panel Y Coordinate 13	0000
	50H	[User] Touch Panel X Coordinate 14	[User] Touch Panel Y Coordinate 14	0000
	51H	[User] Touch Panel X Coordinate 15	[User] Touch Panel Y Coordinate 15	0000
	52H	[User] Touch Panel X Coordinate 16	[User] Touch Panel Y Coordinate 16	0000
	53H	[User] Outermost Periphery Xmin	[User] Outermost Periphery Ymin	282D
	54H	[User] Outermost Periphery Xmax	[User] Outermost Periphery Ymax	F3EC
	55H	[User] Touch Panel Calibration Adjustment Result	[User] Touch Panel Outermost Periphery Adjustment Result	0000
	56H	(USER) Touch AD Correction Value X Coordinate	(USER) Touch AD Correction Value Y Coordinate	0000
	~	Don't	t care	
	~	Don't	t care	
	7FH	Don't	t care	

6

Add AVIC-N4/XU/UC, AVIC-X3/XU/EW5

AVIC-N4/XU/UC

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5

## [Display in each mode]

The part within the bold frame is an example of an actual OSD display. Blue values are subject to change due to adjustment on each screen. Red items are for design study and line adjustment.

## ■ Flicker Adjustment Mode

Description of adjustment	Adjustment range	Display of the item	Adjusted value/ Written value (DEC)		
Common reverse output center value	[0-255]	COM DC *	92		
			i !		
i L			 	 	 
 			i !		
i L			 	   	 
 			! !	i !	 
i			 		l I

#### Notes

1) [COM DC] data are reflected also on the common reverse output center reference value

(The common reverse output center reference value is treated as an initial value set at the line)

2) " \* " mark is displayed whenever the value is adjusted, no matter how small the adjustment is.

## ■ Line Adjustment 1 Mode

Description of adjustment	Adjustment range	Display of the item	Adjusted value/ Written value (DEC)		
	<u> </u>				LINE1
Brightness	[0-255]	BRIGHT	150	NOT	EEPROM
RGB simultaneous contrast (SA0C[D7-0])	[0-255]	CONTRAST	168	NOT	EEPROM
Common reverse output amplitude adjusting value	[0-255]	COM AMP AJ	150		
R-output DC offset (SA1A[D11-8])	[0-15]	ROUT BIAS	8		
G-output DC offset (SA1C[D11-8])	[0-15]	GOUT BIAS	8		
B-output DC offset (SA1E[D11-8])	[0-15]	BOUT BIAS	8		
Main Y Contrast (SA0F[D5-0])	[0-63]	RGB CNTRST	34		
Sub Y Contrast (SA13[D5-0])	[0-63]	CMP CNTRST	26		
DRT Bit Processing ON/OFF (SA0Ch[D15])	[OFF-ON]	DTR	ON	CS	FFFF

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Notes:

[BRIGHT] and [CONTRAST] data are reference values for adjustment of other items, and are not memorized in the EEPROM.

## ■Line Adjustment 2 Mode

Description of adjustment	Adjustment range	Display of the item	Adjusted value/ Written value (DEC)		
RGB&YS Horizontal Alignment (SA2B[D15-8])	[0-255]	DOT H POSIT	63		LINE2
YS Sampling Phase 1 (SA2D[D15-12])	[0-15]	YS SAMPL	8		
AD Sampling Phase B (SA2D[D11-8])	[0-15]	B SAMPL	8		
AD Sampling PhaseG (SA2D[D7-4])	[0-15]	G SAMPL	8		
AD Sampling PhaseR (SA2D[D3-0])	[0-15]	R SAMPL	8		
YS Inside-delay Adjustment (SA2F[D3-0])	[0-15]	YS DELAY	8		
 	¦ L		; J		
	! ! +		    		 
i 	i !		i !		i !
	 		,   		 
L			 	CS	FFFF

## ■Line Adjustment 3 Mode

Description of adjustment	Adjustment range	Display of the item	Adjusted value/ Written value (DEC)		
Dot search thresh	[0-255]	TH DOT	112		LINE3
YS search thresh	[0-4]	TH YS	3		
Phase search thresh	[0-255]	TH PHASE	112		
Xdisp	[0-63]	X DISP	32		
YSdisp	[0-4]	YS DISP	2		
	1		 		
			1		
	_		 		
	i i		i		
	 		]		
	i !		i I	CS	FFFF

## ■Line Adjustment 4 Mode

Description of adjustment	Adjustment range	Display of the item	Adjusted value/ Written value (DEC)		
Main horizontal enhancer Gain (SA10[D13-12])	[0-3]	M H GAIN	0		LINE4
Main horizontal enhancer Limiter (SA10[D11-10])	[0-3]	M H LIMIT	0		
Main horizontal enhancer f0 (SA10[D8])	[0-1]	M H F0	0		
Main vertical enhancer Gain (SA10[D7-6])	[0-3]	M V GAIN	0		
Main vertical enhancer Loopback (SA10[D5-4])	[0-3]	M V ORI	0		
Main vertical enhancer Core Ring (SA10[D3-2])	[0-3]	M V CORE	0		
			;		
			i	CS	FFFF

AVIC-N4/XU/UC

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## ■ Line Adjustment 5 Mode

Description of adjustment	Adjustment range	Display of the item	Adjusted value/ Written value (DEC)		
Sub horizontal enhancer Gain (SA14[D13-12])	[0-3]	S H GAIN	1		LINE5
Sub horizontal enhancer Limiter (SA14[D11-10])	[0-3]	S H LIMIT	1		
Sub horizontal enhancer f0 (SA14[D8])	[0-1]	SHF0	1		
Sub vertical enhancer Gain (SA14[D7-6])	[0-3]	S V GAIN	2		
Sub vertical enhancer Loopback (SA14[D5-4])	[0-3]	S V ORI	1		
Sub vertical enhancer Core Ring (SA14[D3-2])	[0-3]	S V CORE	2		
 	i   !		i 		
			,	CS	FFFF

## ■ Line Adjustment 6 Mode

Description of adjustment	Adjustment range	Display of the item	Adjusted value/ Written value (DEC)		
Brightness R (SA0C[D13-8])	[0-63]	BRIGHT R	16		LINE6
Brightness G (SA0D[D13-8])	[0-63]	BRIGHT G	16		
Brightness B (SA0E[D13-8])	[0-63]	BRIGHT B	16		
γ Correction ON/OFF (SA1A[D15])	T	GAMMA	OFF		
RGB Simultaneous $\gamma$ 1 inflection point (SA1A[D5-D0])	[0-63]	GAMMA 1	0		
RGB Simultaneous $\gamma$ 2 inflection point (SA1B[D12-8])	[0-31]	GAMMA 2	4		
RGB Simultaneous $\gamma$ 3 inflection point(SA1B[D4-D0])	[0-31]	GAMMA 3	1		
RGB Simultaneous $\gamma$ Gradient A (SA1A[D14-12])	[0-7]	GAMMASLP A	4		
RGB Simultaneous $\gamma$ Gradient B (SA1B[D15-13])	[0-7]	GAMMASLP B	1		
RGB Simultaneous $\gamma$ Gradient C (SA1B[D7-5])	[0-7]	GAMMASLP C	1	CS	FFFF

## ■ Line Adjustment 7 Mode

Description of adjustment	Adjustment range	Display of the item	Adjusted value/ Written value (DEC)		
					LINE7
Main PLL0 (SA24[D15-D8])	[0-255]	MAIN PLL0	158		
Main PLL1 (SA24[D7-D0])	[0-255]	MAIN PLL1	13		
Main PLL2 (SA25[D15-D8])	[0-255]	MAIN PLL2	204		
Main PLL3 (SA25[D7-D0])	[0-255]	MAIN PLL3	4		
	†		1	CS	FFFF

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## ■Line Adjustment 8 Mode

Description of adjustment	Adjustment range	Display of the item	Adjusted value/ Written value (DEC)		
					LINE8
Sub PLL0 for TV (SA26[D15-D8])	[0-255]	SUB PLL0 TV	140		
Sub PLL1 for TV (SA26[D7-D0])	[0-255]	SUB PLL1 TV	136		
Other Sub PLL0 (SA27[D15-D8])	[0-255]	SUB PLL0	140		
Other Sub PLL1 (SA27[D7-D0])	[0-255]	SUB PLL1	141		
Sub PLL2 for TV (SA28[D15-D8])	[0-255]	SUB PLL2 TV	100		
Sub PLL3 for TV (SA28[D7-D0])	[0-255]	SUB PLL3 TV	68		
Other Sub PLL2 (SA29[D15-D8])	[0-255]	SUB PLL2	152		
Other Sub PLL3 (SA29[D7-D0])	[0-255]	SUB PLL3	135		
			!	CS	FFFF

## ■Line Adjustment 9 Mode

Description of adjustment	Adjustment range	Display of the item	Adjusted value/ Written value (DEC)		
			j		LINE9
SA46[D15-D8]	[0-255]	SA46H UPPER	0		
SA46[D7-D0]	[0-255]	SA46H LOWER	0		
SA47[D15-D8]	[0-255]	SA47H UPPER	0		
SA47[D7-D0]	[0-255]	SA47H LOWER	0		
SA48[D15-D8]	[0-255]	SA48H UPPER	0		
SA48[D7-D0]	[0-255]	SA48H LOWER	0		
SA49[D15-D8]	[0-255]	SA49H UPPER	0		
SA49[D7-D0]	[0-255]	SA49H LOWER	0		
SA4A[D15-D8]	[0-255]	SA4AH UPPER	0		
SA4A[D7-D0]	[0-255]	SA4AH LOWER	0		
	 			CS	FFFF

## ■Line Adjustment 10 Mode

Description of adjustment	Adjustment range	Display of the item	Adjusted value/ Written value (DEC)		
SA4B[D15-D8]	[0-255]	SA4BH UPPER	0		LINE10
SA4B[D7-D0]	[0-255]	SA4BH LOWER	0		
SA4C[D15-D8]	[0-255]	SA4CH UPPER	0		
SA4C[D7-D0]	[0-255]	SA4CH LOWER	0		
SA4D[D15-D8]	[0-255]	SA4DH UPPER	0		
SA4D[D7-D0]	[0-255]	SA4DH LOWER	0		
SA4E[D15-D8]	[0-255]	SA4EH UPPER	0		
SA4E[D7-D0]	[0-255]	SA4EH LOWER	0		
SA4F[D15-D8]	[0-255]	SA4FH UPPER	0		
SA4F[D7-D0]	[0-255]	SA4FH LOWER	0		
	+			CS	FFFF

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## ■ Dimmer Parameter Setting Mode

Description of adjustment	Adjustment range	Display of the item	Adjusted value/ Written value (HEX)		
Backlight MAX Output	[0-255]	BL MAX	C4		DIMMER
Backlight MIN Output	[0-255]	BL MIN	59		
Dimmer Threshold (high)	[0-255]	REF H	C0		
Dimmer Threshold (low)	[0-255]	REF L	60		
External light point (high)	[0-255]	LUM H	E2		
External light point (middle)	[0-255]	LUM M	87		
External light point (low)	[0-255]	LUM L	52		!
Backlight point (high)	[0-255]	BL H	C4		
Backlight point (middle)	[0-255]	BL M	C4		 
Backlight point (low)	[0-255]	BL L	68	CS	FFFF

- \* Though data of dimmer points (coordinates) are memorized in EEPROM, they are not treated as a CS item, because they are adjustable by the user.
- \* Since AVIC-N4/XU/UC and AVIC-X3/XU/EW5 do not support intelligent dimmer, adjustment result in this mode is not reflected on these products.

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## 8.5 TOUCH PANEL TEST MODE

#### MAIN MENU

Screen configuration

Select each item of the touch panel test mode.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 TOUCH - PANEL TEST 1 EFFECTIVE 1 . T P RANGE 2 2. CALIBRATION 3 3 . T O U C H TEST 4 5 4 . L I N E TOUCH INITIALIZE 6 5 . D A T A 7 SELECTION [ENTER]  $M \in N \cup$ CURSOR 8 UΡ DOWN 1 MOVEO F F 1 E N D OF9 A C C

- Conditions for the adjusted mark (\*) to light on.
- 1. TP EFFECTIVE RANGE
- →When the outermost circumference adjustment has been completed correctly.
- 2. CALIBRATION
- →When the calibration has been completed correctly.
- →When the line touch panel test has been completed correctly.
- \*) If one of the above conditions is met, the light will turn on.
- 4. LINE TOUCH TEST
- →When the line touch panel test has been completed correctly.
- Conditions for the adjusted mark (\*) to go out.
- 1. TP EFFECTIVE RANGE
- →If the outermost circumference adjustment has never been made.
- →When the EEPROM initialization is made.
- →When the outermost circumference adjustment value initialization is made in the initialization menu.
- →When the outermost circumference adjustment has failed.
- 2. CALIBRATION
- →If the calibration adjustment has never been conducted.
- →When the EEPROM initialization is made.
- →When the calibration adjustment value initialization is made in the initialization menu.
- →When the calibration adjustment has failed.
- →When the line touch panel verification has failed.
- 4. LINE TOUCH TEST
- →If the line touch panel verification has never been conducted.
- →When the EEPROM initialization is made.
- →When the calibration adjustment value initialization is made in the initialization menu.
- →When the line touch panel verification has failed.

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#### ■ TP EFFECTIVE RANGE

#### Screen configuration

Trace the white line displayed on the each four corner of touch panel with a soft stick(ex. wooden toothpick), and the setting values are saved in the EEPROM.

2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 EFFECTIVE RANGE 1 [BEFORE. AFTER] 2 MIN-X:[999.999] 3 MAX-X:[999.999] 4 MIN-Y:[999.999] 5 MAX-Y:[999.999] 6 [CAUTION] 7 PLEASE TOUCH AROUND PANEL 8 9

#### Operational specifications

Touch on the touch panel, and check the outermost circumference.

OK (NG) is displayed in the screen center by the MENU key, and 2 seconds later, the screen will return to the top MENU.

#### Details of the process

After pressing the MENU key, the setting values are judged.

If the value is within the allowable range, the upper limit and the lower limit of the setting value and the normal ending information are saved in the EEPROM and OK is displayed. After 2 seconds, the screen will return to the top MENU.

If the setting value is outside of the range, the upper limit and the lower limit values are not saved in the EEPROM, NG ending information is saved and NG is displayed. After 2 seconds, the screen will return to the top MENU. The initial values and the setting value allowable range are as shown below.

#### [The list of AFTER initial value]

Coordinate	Minimum value	Maximum value
X	129	157
Υ	132	153

#### [The list of initial setting value at the time of EEPROM reset]

0	Minimum	Mandania
Coordinate	Minimum value	Maximum value
X	40	247
Υ	45	240

#### [The list of AFTER setting allowable range]

-	•	<u> </u>
Coordinate	Minimum value	Maximum value
X	0 to 128	158 to 255
Υ	0 to 131	154 to 255

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#### CALIBRATION

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#### Outline

Press "+" cursors on the screen one by one for calibration, and the setting values are saved in the EEPROM.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 1 2 + 13 + 12 + 5 4 3 14 + 11+ 6 4 5 + 15 + 106 7 16 + 8 8 17 9

#### Operational specifications

Press the cursors displayed at 16 locations on the screen one by one for calibration, and the process will be completed by pressing the last cursor (total 17 locations).

After the 17th location has been displayed, "FINISHED" will be displayed in the center of the screen. After 2 seconds, the screen will return to the top MENU.

The cursor is displayed only one at a time, and the next cursor will be displayed when the previous one has been pressed correctly.

If the MENU key is pressed before pressing 17 locations, NG will be displayed, and after 2 seconds, the screen will return to the top MENU.

#### Details of the process

When the 17th location is pressed, the setting values and normal ending information are saved in the EEPROM, and "FINISHED" will be displayed.

If the MENU key is pressed during the process and the inspection is finished, the EEPROM will save the NG ending information, and "NG" is displayed.

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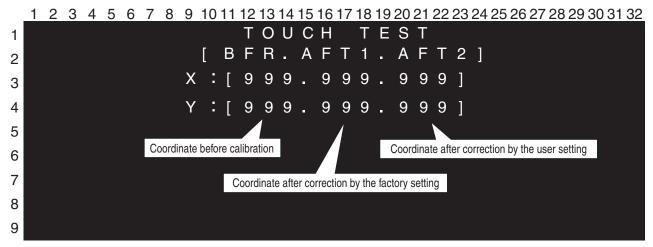
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<sup>\*)</sup> The numbers above indicate the order of the cursors being displayed.

#### TOUCH TEST

Screen configuration

The coordinate before correction and after correction at the time of the touch panel pressing are displayed to verify the operation.



#### Operational specifications

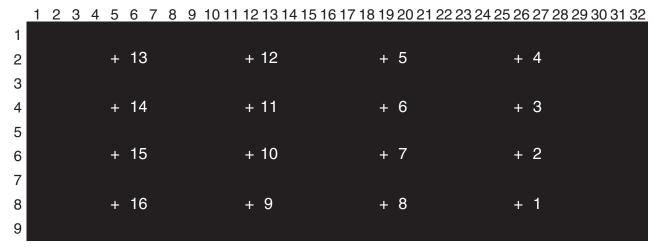
Touch the touch panel to display the coordinate. Verify the coordinate before correction and the coordinate after correction by the factory setting. Return to the top MENU by pressing the MENU key.

#### LINE TOUCH TEST

#### Outline

С

Press the "+" cursors on the screen one by one to judge OK/NG of the touch panel.



\*) The above numbers indicate the order that the cursors are displayed.

#### Operational specifications

Press the cursors displayed at 16 locations on the screen one by one for inspection.

After the 16th location has been displayed, "OK" will be displayed in the center of the screen. After 2 seconds, the screen will return to the top MENU.

The cursor is displayed only one at a time, and the next cursor will be displayed when the previous one has been pressed correctly.

If not pressed correctly (if not within the OK range), "OUTSIDE OF THE RANGE" will be displayed.

If the MENU key is pressed before pressing 16 locations, NG will be displayed, and after 2 seconds, the screen will return to the top MENU.

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#### Screen configuration

Outermost circumference and 16 point calibration data are returned to the initial value.

If already set, "\*" will be displayed in front of each item. It goes away upon clearing of the setting. 1 2 3 4 5 6 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 INITIALIZE DATA 1 INIT 2 \* RANGE CALIB I N I3 USER RANGE I N I T4 \* USER CALIB 5 RETURN T O  $M \in N \cup$ 6 ENTER] USE FUNCTION 7 U P DOWN1 MOVECURSOR 8 9

The functions by the items selected are as follows.

RANGE INIT The factory preset outermost circumference setting is initialized.

CALIB INIT The factory preset calibration is initialized.

USER RANGE INIT The user preset outermost circumference setting is initialized.

By this action, the factory preset outermost circumference setting is used.

USER CALIB INIT The user preset calibration setting is initialized.

By this action, the factory preset outermost circumference setting is used.

Conditions for the adjusted mark (\*) to light on.

RANGE INIT

→The same condition as the item for outermost circumference adjustment in the top MENU.

CALIB INIT

→The same condition as the item for line touch panel verification in the top MENU.

**USER RANGE INIT** 

→In case the user outermost circumference adjustment made a normal ending.

**USER CALIB INIT** 

- →In case the user calibration made a normal ending.
- Conditions for the adjusted mark (\*) to go out.

RANGE INIT

→The same condition as the item for outermost circumference adjustment in the top MENU.

**CALIB INIT** 

→The same condition as the item for line touch panel verification in the top MENU.

**USER RANGE INIT** 

- →In case the user outermost circumference adjustment has never been conducted.
- →When the EEPROM initialization is made.
- →In case the user outermost circumference adjustment value initialization was conducted in the initialization menu.
- →In case the outermost circumference adjustment made a normal ending.
- →In case the calibration adjustment made a normal ending.

**USER CALIB INIT** 

- →In case the user calibration adjustment has never been conducted.
- →When the EEPROM initialization is made.
- →In case the user calibration adjustment value initialization was conducted in the initialization menu.
- →In case the outermost circumference adjustment made a normal ending.
- →In case the calibration adjustment made a normal ending.

#### Operational specifications

Select each item by the MENU key and the MAP key.

The function of the item selected by the MENU key is executed.

When "RETURN TO MENU" is executed, the screen will return to the top MENU.

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## **8.6 SERVICE ADJUSTMENT**

• Used remote controller CXC6317(SW1: AVH, SW2: AVH)

#### [Operation Specification]

- The operation method to shift to [Adjustment mode for service] is shown below.
  - Set TPTEST and SRVTEST to High and Low, respectively, and turn ON the ACC. It is also available by pressing reset, however, the user data is deleted, so it is not recommended.
- The operation method to release [Adjustment mode for service] is shown below.
  - ACC OFF -> ON (BUP OFF -> ON is also available)
- The switching, selection and adjustment operations in this setting mode can be implemented from remote controller. (Even if the MONITOR key is pressed in this adjustment mode, it does not affect the operation of main unit.)
- Switch the page by MENU key.
- Select the item you want to adjust by DOWN and UP keys.

  As the screen is displayed in two pages, the pages are switched.
- · Adjusted by LEFT and RIGHT keys.

#### [Specification of display]

Within thick frame shows the example of actual OSD display.

The blue values show the parts that are changed at the adjustment. (In the display example, MAX value is displayed) Red items are for design study and line adjustment.

The brown values show the default values for adjustment used for line. (Rewritable in EEPROM setting mode)

\* This default value is not the setting value for each product, however, it is the value that has no problem when it is set.

#### Adjustment mode for service

Description of adjustment : 1st page	Adjustment range	Display of the item	Adjusted value/ Written value (DEC)		
Common reverse output center value	[0-255]	COM DC	92		
Common reverse output center setting value (Factory value)	[0-255]	[FACTORY	92	]	
RGB&YS Horizontal Alignment	[0-255]	DOT H POSIT	69		
RGB & YS horizontal Alignment setting value (Factory value)	[0-255]	[FACTORY	69	]	
YS Sampling Phase 1	[0-15]	YS SAMPL	8		!
YS Sampling Phase 1 setting value (Factory value)	[0-15]	[FACTORY	8	]	 
AD Sampling Phase B	[0-15]	B SAMPL	8		
AD Sampling Phase B setting value (Factory value)	[0-15]	[FACTORY	8	]	 

Description of adjustment : 2nd page	Adjustment range	Display of the item	Adjusted value/ Written value (DEC)		
AD Sampling Phase G	[0-15]	G SAMPL	8		
AD Sampling Phase G setting value (Factory value)	[0-15]	[FACTORY	8	]	
AD Sampling Phase R	[0-15]	R SAMPL	8		
AD Sampling Phase R setting value (Factory value)	[0-15]	[FACTORY	8	]	
YS inside-delay Adjustment	[0-15]	YS DELAY	8		!
YS inside-delay Adjustment setting value (Factory value)	[0-15]	[FACTORY	8	]	
			!		!

<sup>\*</sup> CS display is not implemented.

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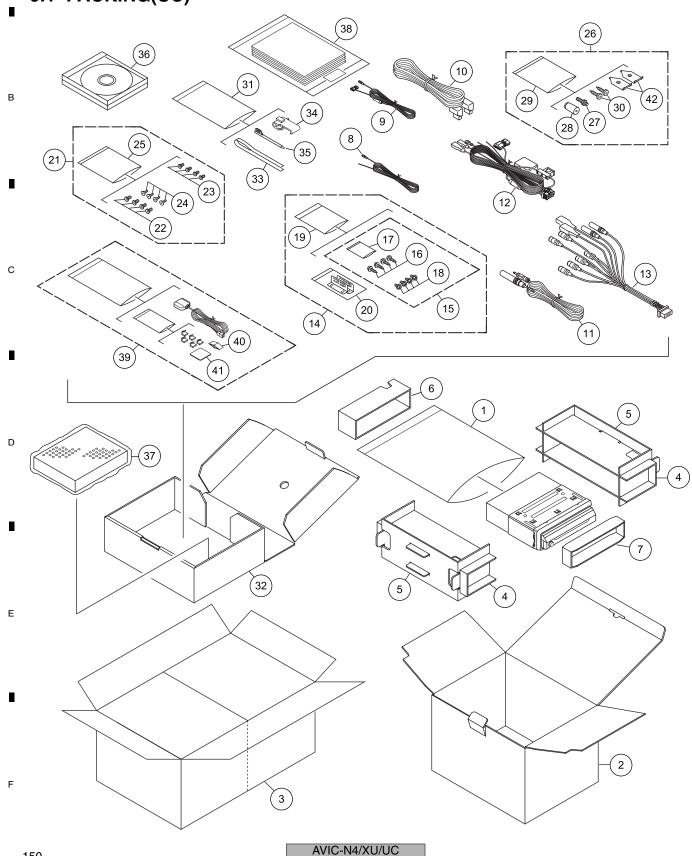
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# 9. EXPLODED VIEWS AND PARTS LIST

NOTES: • Parts marked by "\*" are generally unavailable because they are not in our Master Spare Parts List.

- The  $\triangle$  mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.
- Screw adjacent to  $\nabla$  mark on the product are used for disassembly.
- For the applying amount of lubricants or glue, follow the instructions in this manual. (In the case of no amount instructions, apply as you think it appropriate.)

## 9.1 PACKING(UC)



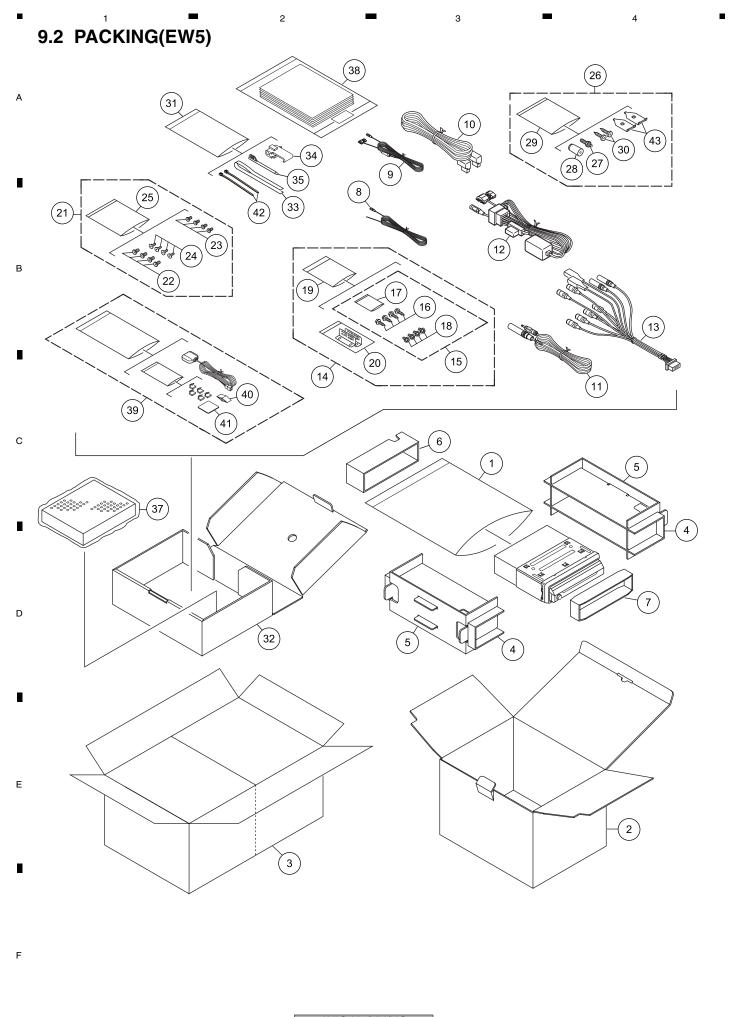
## PACKING(UC) SECTION PARTS LIST

Mark No.	<u>Description</u>	Part No.	<u>Mark</u>	No.	<b>Description</b>	Part No.
1	Polyethylene Bag	CEG1173	*	26	Accessory Assy	CEA7737
2	Unit Box	CHG6243		27	Screw	CBA1650
3	Contain Box	CHL6243		28	Bush	CNV3930
4	Protector	CHP2876	*	29	Polyethylene Bag	E36-615
5	Protector	CHP2877		30	Fixing Screw	JGZ20P070FTC
6	Protector	CHP2945		31	Cover	CEG1385
7	Protector	CHP3454		32	Sub Unit Box	CHG5440
8	Cord	CDE5044		33	Sheet	CNN1741
9	Cord	CDE6825		34	Connector	CKX1049
10	Cord Assy	CDE7398		35	Pen	CNV8969
					D. (D. D.) (	
11	Antenna Cable	CDH1325		36	DVD-ROM	CPJ1184
12	Cord Assy	CDP1058		37	Air Cushioned Bag	CEG1007
13	Cord Assy	CDP1059		38-1	Polyethylene Bag	CEG1116
14	Accessory Assy	CEA3996			Owner's Manual	CRB2449
15	Screw Assy	CEA4396		38-3	Owner's Manual/POC/FRE	CRB2450
40	0 (110 10)	0044705		20 /	Owner's Manual	CRB2451
16	Screw(M6 x 16)	CBA1795			Owner's Manual/POC/FRE	CRB2452
17	Polyethylene Sheet	CNM4338			Installation Manual	CRD4241
18	Screw	HMF40P080FTC			Caution Card	CRP1310
19	Polyethylene Bag	CEG1163	*		Warranty Card	CRY1246
20	Angle Assy	CXC1079		30-0	Wallality Calu	CH11240
21	Screw Assy	CEA5144	*	38-9	Registration Card	CRY1263
22	Screw	BMZ50P060FTC		39	GPS Antenna Assy	CXC4864
23	Screw(M4 x 3)	CBA1870		40	Packing	CZN5442
24	Screw	CMZ50P060FTC		41	Grand Sheet	CZN7008
* 25	Polyethylene Sheet	CNM4338		42	Bracket	CND4079
20	i diyetilylerie dileet	CIVIVITUUU			<del>-</del>	

## Owner's Manual,Installation Manual

Part No.	Language
CRB2449	English
CRB2450	French
CRB2451	English
CRB2452	French
CRD4241	English, French

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## PACKING(EW5) SECTION PARTS LIST

Mark No.	<u>Description</u>	Part No.	Mark No. Description		Part No.
1	Polyethylene Bag	CEG-162			
2	Unit Box	CHG6242	31	Cover	CEG1385
3	Contain Box	CHL6242	32	Sub Unit Box	CHG5440
4	Protector	CHP2876	33	Sheet	CNN1741
5	Protector	CHP2877	34	Connector	CKX1049
			35	Pen	CNV8969
6	Protector	CHP2945			
7	Protector	CHP3454	36	••••	
8	Cord	CDE5044	37	Air Cushioned Bag	CEG1007
9	Cord	CDE6825	38-1	Polyethylene Bag	CEG1116
10	Cord Assy	CDE7398	38-2	Owner's Manual/PEE/ENG	CRB2453
			38-3	Owner's Manual/PEE/SPE	CRB2454
11	Antenna Cable	CDH1325			
12	Cord Assy	CDP1057	38-4	Owner's Manual/PEE/GER	CRB2455
13	Cord Assy	CDP1059	38-5	Owner's Manual/PEE/FRE	CRB2456
14	Accessory Assy	CEA3996	38-6	Owner's Manual/PEE/ITA	CRB2457
15	Screw Assy	CEA4396	38-7	Owner's Manual/PEE/DUT	CRB2458
			38-8	Owner's Manual/PEE/ENG	CRB2459
16	Screw(M6 x 16)	CBA1795			
* 17	Polyethylene Sheet	CNM4338		Owner's Manual/PEE/SPE	CRB2460
18	Screw	HMF40P080FTC	38-10	Owner's Manual/PEE/GER	CRB2461
* 19	Polyethylene Bag	CEG1163	38-11	Owner's Manual/PEE/FRE	CRB2462
20	Angle Assy	CXC1079	38-12	Owner's Manual/PEE/ITA	CRB2463
			38-13	Owner's Manual/PEE/DUT	CRB2464
21	Screw Assy	CEA5144			
22	Screw	BMZ50P060FTC		Installation Manual	CRD4242
23	Screw(M4 x 3)	CBA1870		Warranty Card	CRY1265
24	Screw	CMZ50P060FTC	* 38-16	Caution Card	CRP1362
* 25	Polyethylene Sheet	CNM4338	39	GPS Antenna Assy	CXC4864
			40	Packing	CZN5442
* 26	Accessory Assy	CEA7737			
27	Screw	CBA1650	41	Grand Sheet	CZN7008
28	Bush	CNV3930	* 42	Lock Tie	CNV-754
* 29	Polyethylene Bag	E36-615	43	Bracket	CND4079
30	Fixing Screw	JGZ20P070FTC			

## **Owner's Manual, Installation Manual**

Part No.	Language
CRB2453	English
CRB2454	Spanish
CRB2455	German
CRB2456	French
CRB2457	Italian
CRB2458	Dutch
CRB2459	English
CRB2460	Spanish
CRB2461	German
CRB2462	French
CRB2463	Italian
CRB2464	Dutch
CRD4242	English, Spanish, German, French, Italian, Dutch

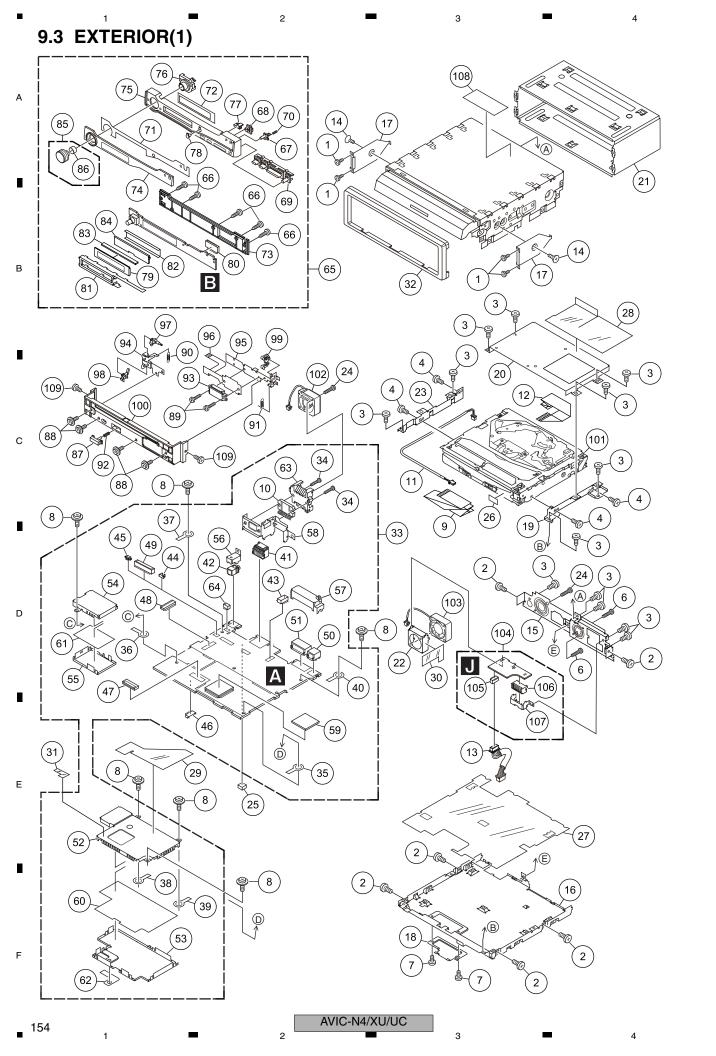
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**EXTERIOR(1) SECTION PARTS LIST** 

EXTERIO	OR(1) SECTION PART	TS LIST				
Mark No.	<u>Description</u>	Part No.	Mark No.	<u>Description</u>	Part No.	
1	Screw	BMZ20P030FTB	59	Sheet	CNM7902	
2	Screw	BMZ26P030FTB				
		BMZ26P040FTC	60	Insulator	CNM8572	Α
3	Screw (MO x 2)		61	Insulator	CNM8573	,,
4	Screw(M2 x 3)	CBA2096	62	Insulator	CNM8856	
5	•••••		63	Heat Sink	CNR1739	
6	Screw(M2.6 x 14)	CBA2103	64	Connector(CN2551)	VKN1928	
7	Screw(M2 x 1.4)	CBA2106	0.7	0.11 4 (110 1.1)	01/07007	
8	Screw	ISS26P050FTC	65	Grille Assy(UC model)	CXC7367	Ī
9	FFC	CDE7740		Grille Assy(EW5 model)	CXC7368	_
10	IC(IC2405)	PAL007C	66	Screw	BPZ20P080FTB	
			67	Button(DETACH)	CAI1176	
11	Cord Assy	CDE8461	68	Button(RESET)	CAI1177	
12	FFC	CDE8462				
13	Cord Assy	CDE8463	69	Button(TEL, EJECT, <, >, OPEN	N/TILT) CAI1245	
14	Screw	CMZ50P060FTC	70	Spring	CBH2680	В
15	Panel	CNB3411	71	Double Side Tape	CNN1579	
		0.120	72	Sheet	CNN1991	
16	Case	CNB3412	73	Cover	CNS8964	
17	Bracket	CND1482				
		CND1462 CND1948	74	Plate(UC model)	CNS9023	
18	Holder			Plate(EW5 model)	CNS9024	
19	Bracket	CND3842	75	Grille	CNS9028	
20	Bracket	CND3845	75 76	Lighting Conductor	CNV9504	
21	Holder	CND3854	77	Lighting Conductor	CNV9506	
22	Holder	CND4033	70		0111/0507	
23	Bracket	CND4034	78	Lighting Conductor	CNV9507	
24	Screw	PMZ20P160FTC	79	LCD(LCD4001)	CAW1950	_
25	Spacer	CNM9200	80	Connector(CN4001)	CKS4657	С
			81	Holder	CND3851	
26	Spacer	CNN1582	82	Sheet	CNN1580	
27	Insulator	CNN1671				
28	Insulator	CNN1672	83	Connector	CNV9502	
29	Insulator	CNN1673	84	Lighting Conductor	CNV9503	
30	Insulator	CNN1674	85	Knob Unit(VOL/MUTE)	CXC7631	
00	modiator	ONIVIO74	86	Spring	CBL1761	-
31	Insulator	CNN1782	87	Button(DETACH)	CAI1460	
			0.	24.6(226)	G/ II. 1.00	
32	Panel	CNS8978	88	Screw(M2 x 3)	CBA2104	
33	CC Unit(UC model)	CWN2308	89	Screw(M2 x 3)	CBA2105	
0.4	CC Unit(EW5 model)	CWN2309	90	Spring	CBH2681	
34	Screw	BMZ26P160FTC	91	. •	CBH2682	D
				Spring		Ь
35	Terminal(CN100)	CKF1064	92	Spring	CBH2683	
36	Terminal(CN604)	CKF1064		•	01/0.4050	
37	Terminal(CN605)	CKF1064	93	Connector	CKS4658	
38	Terminal(CN614)	CKF1064	94	Holder	CND3852	
39	Terminal(CN615)	CKF1064	95	Holder	CND3853	
			96	Flexible PCB	CNQ1002	
40	Terminal(CN2601)	CKF1064	97	Arm	CNV8571	
41	Plug(CN802)	CKM1516				
42	Jack(CN2552)	CKN1043	98	Arm	CNV8572	
43	Connector(CN691)	CKS4674	99	Arm	CNV8573	
44	Connector(CN824)	CKS4822	100	Panel Unit	CXC7633	
	.,		101	DVD Mechanism Module(MS5)	CXK6601	
45	Connector(CN971)	CKS4822	102	Fan Motor	CXM1284	Е
46	Connector(CN2701)	CKS5038				
	Connector(CN2)		103	Fan Motor	CXM1343	
47	Connector(CN607)	CKS5100 CKS5100	104		CWN2310	
48	` ,		101	Mother Unit(EW5 model)	CWN2311	
49	Connector(CN608)	CKS5586	105	Connector(CN2801)	CKS4674	
	0	01/05500	106	Connector(CN2803)		
50	Connector(CN692)	CKS5598		,	CKM1506	-
51	Connector(CN731)	CKS5696	107	Holder	CND4039	
52	Shield	CND1949		Labal/EIME	CANELLO	
53	Shield	CND1950	108	Label(EW5 model)	CAN5448	
54	Shield	CND1951	109	Screw(M2 x 3)	CBA1797	
55	Shield	CND1952				F
56	Holder	CND4036				Ī
57	Holder	CND4037				
58	Holder	CND4038				

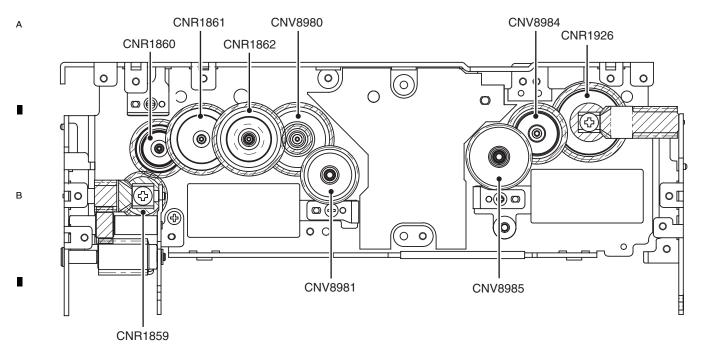
AVIC-N4/XU/UC 7 ■ 8

### 9.4 EXTERIOR(2) [12] $^{\mathbb{B}}$ 85 (12) 6 10 (12) (72)(71)68 M **P** (10) 70 23 (16) 8 (25) [12] 10) (58) Ν С 18 65 54 (10) 15 [17] (43) \(\text{\text{\text{9}}\cdot\) (14) 59 (49 53 27 (40) (48) (46) 62 63 10 (57 D (12) 21 (67) (19) (69) (50) (66) 26 (11)(80) (56) Е (55) (81) (76) (60) 0000 (35) (61) [10] AVIC-N4/XU/UC

■ EXTERIO	5 DR(2) SECTION	■ PARTS LIST	6			7	8	•
Mark No.	<u>Description</u>	Part N	<u>o.</u>	Mark	No.	<u>Description</u>	Part No.	
1	Screw(M2 x 3)	CBA17	97		50	Gear	CNV8981	
2	Spring	CBL17						•
3	Holder	CND32			51	Gear	CNV8983	Α
4	Flexible PCB	CNQ10			52	Gear	CNV8984	
5	Cover	CNV96			53	Gear	CNV8985	
· ·	0010.	000			54	Gear	CNV8987	
6	Arm	CNV96	44		55	Rack	CNV8995	
7	Screw(M2 x 2)	CBA21						
8	Drive Unit	CXC76			56	Rack	CNV8996	
9	Screw(M2 x 2)	CBA16			57	Guide	CNV8999	
10	Screw(M2 x 2.5)	CBA16			58	Lever	CNV9000	
	Coron(IIIE X 2.0)	02/110	10		59	Arm	CNV9001	
11	Screw(M2 x 2)	CBA18	72		60	Guide	CNV9003	В
12	Screw(M2 x 3)	CBA18						Б
13	Screw(M2.3 x 6)	CBA20			61	Guide	CNV9004	
14	Washer	CBF10			62	Frame Unit	CXC6143	
15	Washer	CBF10			63	Holder Unit	CXC6145	
13	vvasilei	CDFTO	39		64	Motor Unit	CXC6638	
16	Washer	CBF10	6.4	*	65	Guide	CNV9534	
16		CBH29			00	adiao	01440001	
17	Spring				66	Motor Unit	CXC6639	
18	Spring	CBH29		*	67	Guide	CNV9535	
19	Spring	CBH29			68	Main PCB Unit(Service)	CXX2316	
20	Spring	CBH29	09		69	Sheet	CNN1349	С
0.1	Oneine	ODI 47	00	*	70	Connector(CN102)	CKS4734	O
21	Spring	CBL17:			70	Connector(CN102)	01(047)04	
22	Spring	CBL17		*	71	Connector(CN103)	CKS4735	
23	Cord	CDE81			72	Connector(CN101)	CKS5572	
24	Cord	CDE81			73	Screw	JFZ17P025FT0	_
25	Shaft	CLA46	51		73 74	Washer	YE15FTC	
	01 (1	01.4.40	<b>.</b>		7 <del>4</del> 75	Cover Unit	CXC7882	
26	Shaft	CLA46			75	Cover Offic	UAU/002	
27	Shaft	CLA46		*	76	Chassis Unit	CXC7638	
28	Shaft	CLA46			70 77	Lever	CND4077	
29	Shaft	CLA46			78	Spring	CBH2750	D
30	Shaft	CLA46	65		79	Bracket Unit	CXC7978	
	01 (1	01.4.40	••	*	80	Spacer	CNN2051	
31	Shaft	CLA46			00	Spacei	ONNZOST	
32	Holder	CND32		*	81	Case Unit	CXC7640	
33	Cover	CND32		*	82	Insulator	CNN1583	
34	Sheet	CNN10			83	Label	CRL2936	
35	Sheet	CNN10	156		84	Screw(M2 x 1.4)	CBA2106	
		011110	.50		85	Insulator	CNN1938	
36	Insulator	CNN10			65	irisulatoi	CIVIV1936	
37	Sheet	CNN10						
38	Insulator	CNN10						E
39	Gear	CNR18						
40	Gear	CNR18	356					
41	Gear	CNR18	357					
42	Gear	CNR18	59					_
43	Gear	CNR18	60					
44	Gear	CNR18	61					
45	Gear	CNR18	62					
46	Gear	CNR18	164					
47	Gear	CNR19						F
48	Gear	CNR19						•
49	Gear	CNV89						
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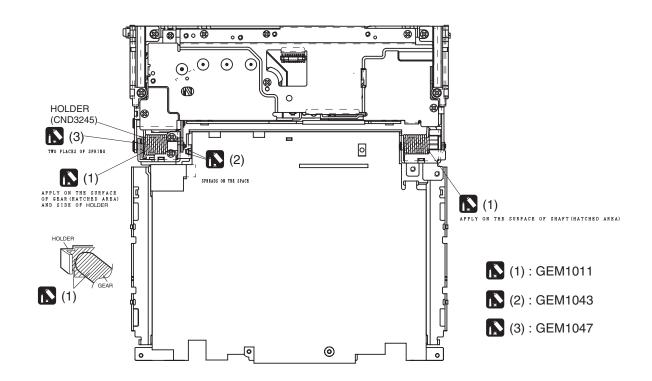
## The gear assembly figure of the Drive Unit



#### Grease

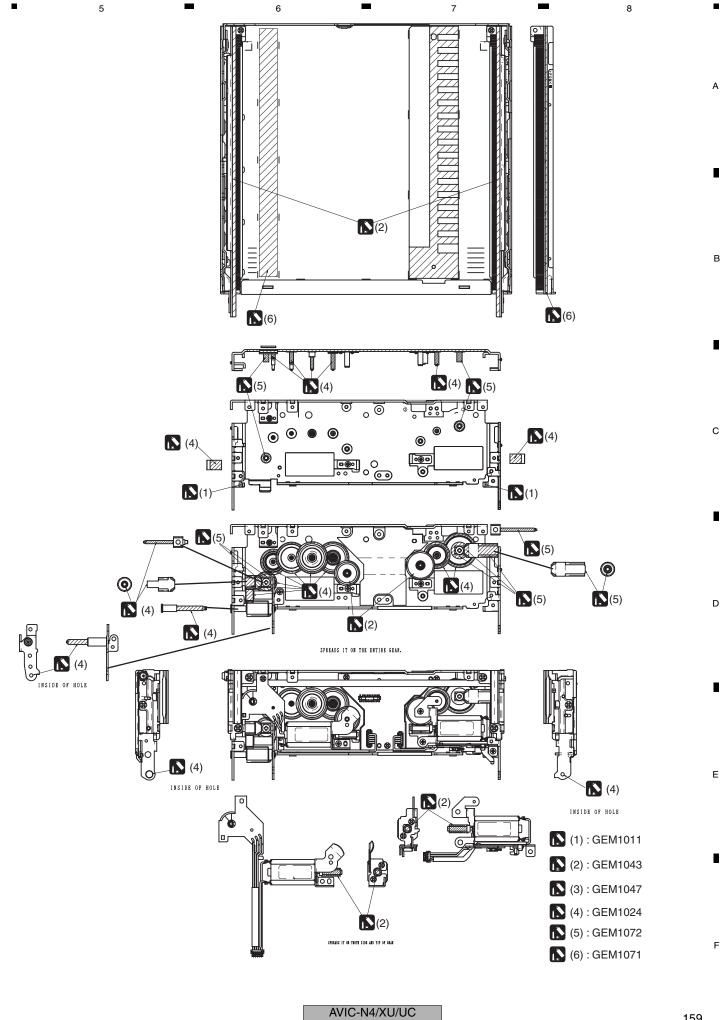
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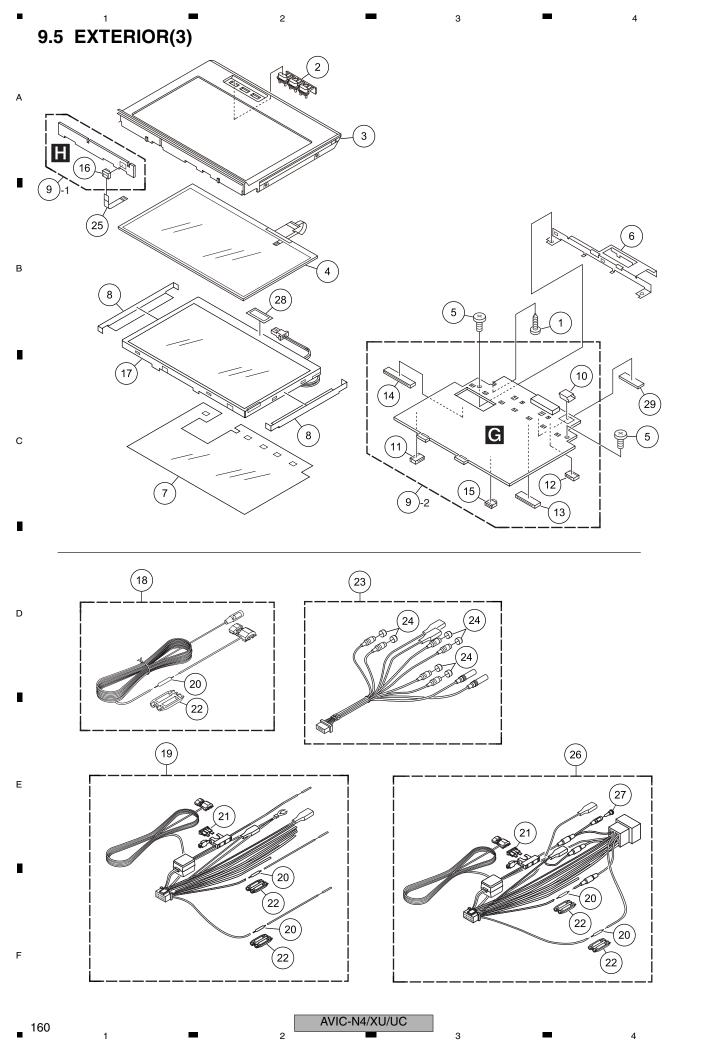
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# **EXTERIOR(3) SECTION PARTS LIST**

<u>Mark</u>	<u>No.</u>	<u>Description</u>	Part No.
	1	Screw	BPZ20P060FTC
	2	Button(AV, MAP, MENU)	CAI1235
	3	Grille(UC model)	CNS9020
		Grille(EW5 model)	CNS9019
	4	Touch Panel	CSX1115
	5	Screw(M2 x 2)	CBA1872
	6	Holder	CND4041
	7	Insulator	CNN1667
	8	Sheet	CNN1754
	9	Monitor Unit	CWN2304
	10	Connector(CN5201)	CKS4428
	11	Connector(CN5801)	CKS5037
	12	Connector(CN5001)	CKS5105
	13	Connector(CN5003)	CKS5698
	14	Connector(CN5501)	CKS5773
	14	Connector(CN3301)	0103773
	15	Connector(CN5002)	CKS5811
	16	Connector(CN5901)	CKS5811
	17	LCD Module	CWX3264
	18	Cord	CDE6825
	19	Cord Assy(UC model)	CDP1058
		Б	D04/0DM54004
•	20	Resistor	RS1/2PMF102J
<u> </u>	21	Fuse(10 A)	CEK1136
	22	Сар	CNS1472
	23	Cord Assy	CDP1059
	24	Cap	CNV6727
	25	FFC	CDE8460
	26	Cord Assy(EW5 model)	CDP1057
	27	Terminal Cover(EW5 model)	CKX-003
	28	Insulator	CNN1939
	29	Cushion	CNN1941

AVIC-N4/XU/UC

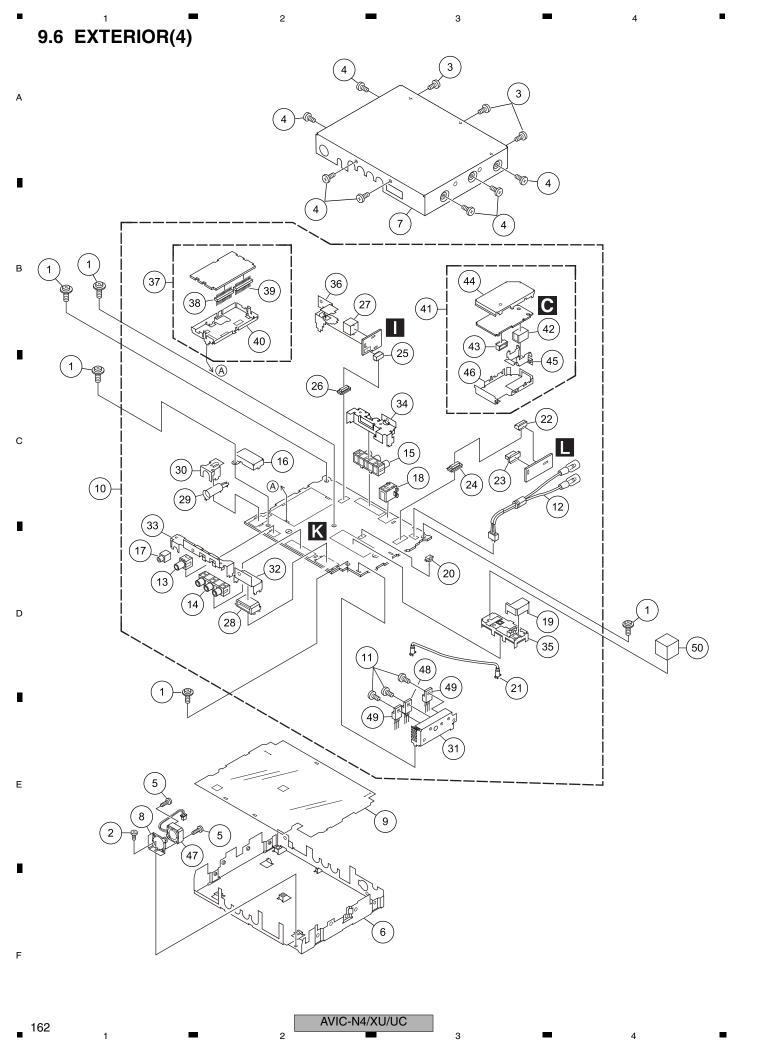
161

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XTFRIOR(4)	SECTION PARTS LIST	

EXIENIC	DR(4) SECTION PARTS LI	151			
Mark No.	<u>Description</u>	Part No.	<u>Mark No.</u>	<u>Description</u>	<u>Part No.</u>
1	Screw	ASZ26P050FTC	46	Shield	CND1161
2	Screw	BMZ26P030FTC			
			47	Fan Motor	CXM1343
3	Screw	BMZ26P060FTB			
4	Screw	BSZ26P060FTC	48	Transistor(Q1907)	2SB1185
5	Screw(M2.6 x 14)	CBA2103	49	Transistor(Q1908,1909)	2SD2375
			50	Gasket(EW5 model)	CNN1804
6	Chassis	CNA3007			
7	Case(UC model)	CNB3408			
•	Case(EW5 model)	CNB3409			
0	,				
8	Holder	CND1905			
9	Insulator	CNN1662			
10	Mother Tuner Unit(UC model)	CWN2310			
	Mother Unit(EW5 model)	CWN2311			
11	Screw	BMZ26P060FTC			
12	Cord Assy(CN1951)	CDE8563			
13	Pin Jack(CN1351)	CKB1065			
10	Till back(Olv1051)	OKB1005			
14	Pin Jack(CN1301)	CKB1071			
15	Pin Jack(CN1701)	CKB1071			
16	Shield(EW5 model)	CND4044			
17	Jack(CN1352)	CKN1046			
18	Connector(CN1101)	CKS3414			
19	Shield(EW5 model)	CND2814			
20	Connector(CN1950)	CKS4822			
21	Cord(EW5 model)	CDH1332			
22	Connector(CN552)	CKS5204			
23	Connector(CN551)	CKS5205			
20	Connector(CN331)	ON33203			
24	Connector(CN1841)	CKS5205			
	, ,				
25	Connector(CN2002)	CKS5553			
26	Connector(CN1751)	CKS5554			
27	Connector(CN2001)	CKS5683			
28	Connector(CN1001)	CKS5696			
29	Antenna Jack(CN1402)	CKX1056			
30	Holder	CND1900			
31	Holder	CND1903			
32	Holder	CND1904			
33	Holder	CND3993			
00	Tiolder	01120000			
34	Holder	CND3994			
35	Tuner Unit(Y1801)(EW5 model)				
	, ,,				
36	Holder	CND4043			
37	FM/AM Tuner Unit(Y1401)(UC r	•			
	FM/AM Tuner Unit(Y1401)(EW5	model) CWE2045			
38	Connector(CN101)	CKS4653			
39	Connector(CN102)	CKS4653			
40	Holder	CND1432			
41	GPS Unit(UC model)	CWX3533			
	GPS Unit(EW5 model)	CWX3534			
	(				
42	Connector(CN504)	CKS4432			
43	Connector(CN461)	CKS5204			
43	Shield	CNC9192			
45	Holder	CNC9252			

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#### 9.7 DVD MECHANISM MODULE (A) 58 (78) (33) (C) 17 (B) 8 45) (87) (C) (B) (B) (43) 39 (37) (44)(1/2) (B) (60) (8) (14 (83) 8 (81) 70 Ε (C) (18) 31 (87) (26) (D) (40) (93) (36) (A) (41) (A) (20) (A) (49) (A) (23) (12) (A) (48) (61) (A) (66) (A) (50) (A) 84 (65 (C) (B) **E** 28 (63) (67 E (B) (A) 90 (80) (A) : GEM1045

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(B) : GEM1043

(D) : GEM1050

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)—(A)

# **DVD MECHANISM MODULE SECTION PARTS LIST**

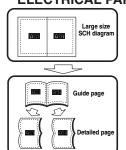
Mark No.	<u>Description</u>	Part No.	Mark No.	<u>Description</u>	Part No.	
1	DVD Core Unit	CWX3401	50	Damper	CNV9061	
2	Connector(CN1852)	CKS4817				Α
3	Connector(CN1101)	CKS4841	51	Damper	CNV9062	^
4	Connector(CN1301)	CKS5017	52	Collar	CNV8845	
5	Connector(CN1201)	CKS5043	53	Lever	CNV8865	
	,		54	Rack	CNV9063	
6	Connector(CN1901)	CKS5054	55	Arm	CNV8867	
7	Connector(CN2001)	CKS5054				
8	Screw	BMZ20P020FTC	56	Arm	CNV8868	
9	Screw	BMZ20P025FNI	57	Arm	CNV9577	
10	Screw	CBA1787	58	Arm	CNV8870	
			59	Arm	CNV8871	
11	Washer	CBF1038	60	Arm	CNV8872	В
12	Washer	CBF1064				
13	Spring	CBH2586	61	Arm	CNV8873	
14	Spring	CBH2588	62	Gear	CNV8874	
15	Spring	CBH2589	63	Gear	CNV8875	
	-1- 3		64	Gear	CNV8876	_
16	Spring	CBH2590	65	Gear	CNV8877	
17	Spring	CBH2591				
18	Spring	CBH2592	66	Gear	CNV8878	
19	Spring	CBH2593	67	Gear	CNV8879	
20	Spring	CBH2596	68	Lever	CNV8903	
	. 3		69	Lever	CNV8904	С
21	Spring	CBH2597	70	Roller	CNV8905	
22	Spring	CBL1726				
23	Spring	CBH2599	71	Lever	CNV8908	
24	Spring	CBH2600	72	Arm	CNV8909	
25	Spring	CBH2601	73	Guide	CNV9569	
			74	Arm	CNV9116	_
26	Spring	CBH2926	75	Arm	CNV9117	
27	Spring	CBH2604				
28	Spring	CBH2605	76	Compound(A) Unit	CWX3154	
29	Spring	CBH2710	77	Compound(B) Unit	CWX3394	_
30	Spring	CBH2711	78	Arm Unit	CXC7872	D
			79	Frame Unit	CXC6442	
31	Spring	CBH2935	80	Bracket Unit	CXB8685	
32	Spring	CBH2890				
33	Spring	CBL1689	81	Chassis Unit	CXC6443	
34	Spring	CBH2898	82	Motor Unit(LOAD)(M1)	CXC4912	
35	Shaft	CLA4206	83	Motor(STEPPING)(M2)	CXM1364	
			84	Arm Unit	CXC5486	
36	Shaft	CLA4701	85	Roller Unit	CXC5708	
37	Lever	CNC9933				
38	Holder	CND2643	86	Motor(SPDL)(M3)	CXM1362	Ε
39	Frame	CND2250	87	Screw	JFZ20P018FTC	
40	Holder	CND2251	88	Washer	YE20FTC	
			89	Pickup Unit(Service)	CXX2118	
41	Holder	CND3936	90	Screw	IMS20P030FTC	
42	Sheet	CNM6883				
43	Sheet	CNM8697	91	Collar	CNV9570	-
44	Sheet	CNM9658	92	Shaft	CLA4771	
45	Sheet	CNM9407	93	Guide Unit	CXC8572	
46	Cam	CNV7156				
47	Clamper	CNV7158				F
48	Roller	CNV7165				
49	Rack	CNV7175				

AVIC-N4/XU/UC

# 10. SCHEMATIC DIAGRAM

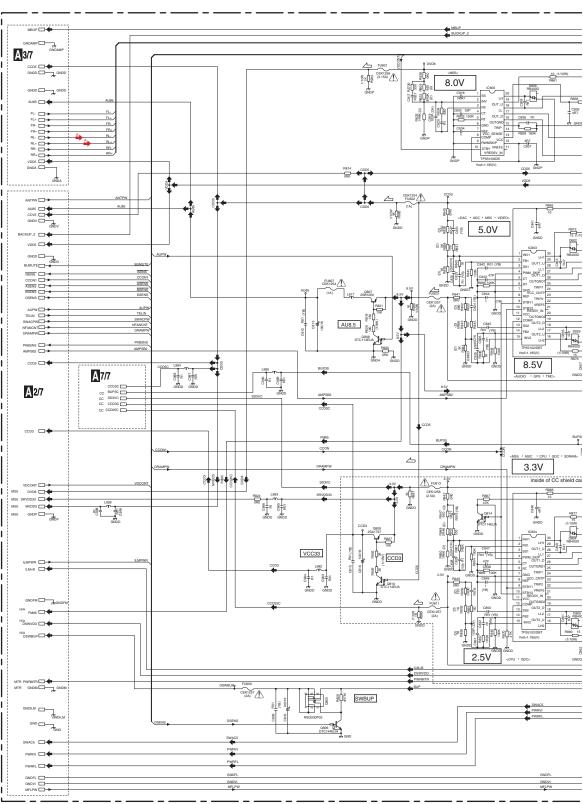
## 10.1 CC UNIT(P/S)(GUIDE PAGE)

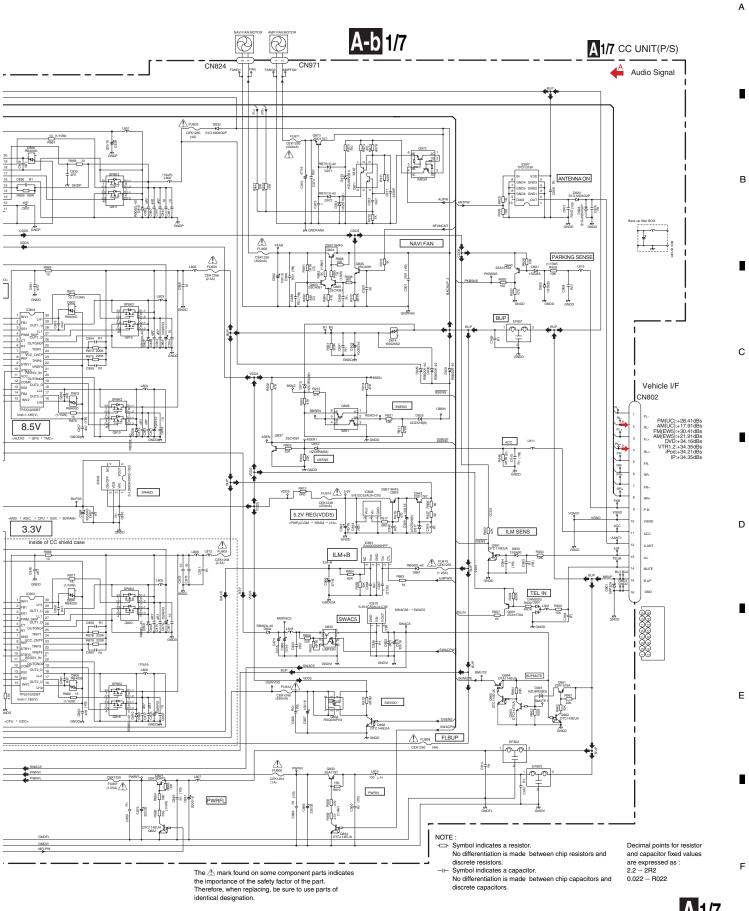
Note: When ordering service parts, be sure to refer to " EXPLODED VIEWS AND PARTS LIST" or "ELECTRICAL PARTS LIST".



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AVIC-N4/XU/UC





**A** 1/7

AVIC-N4/XU/UC

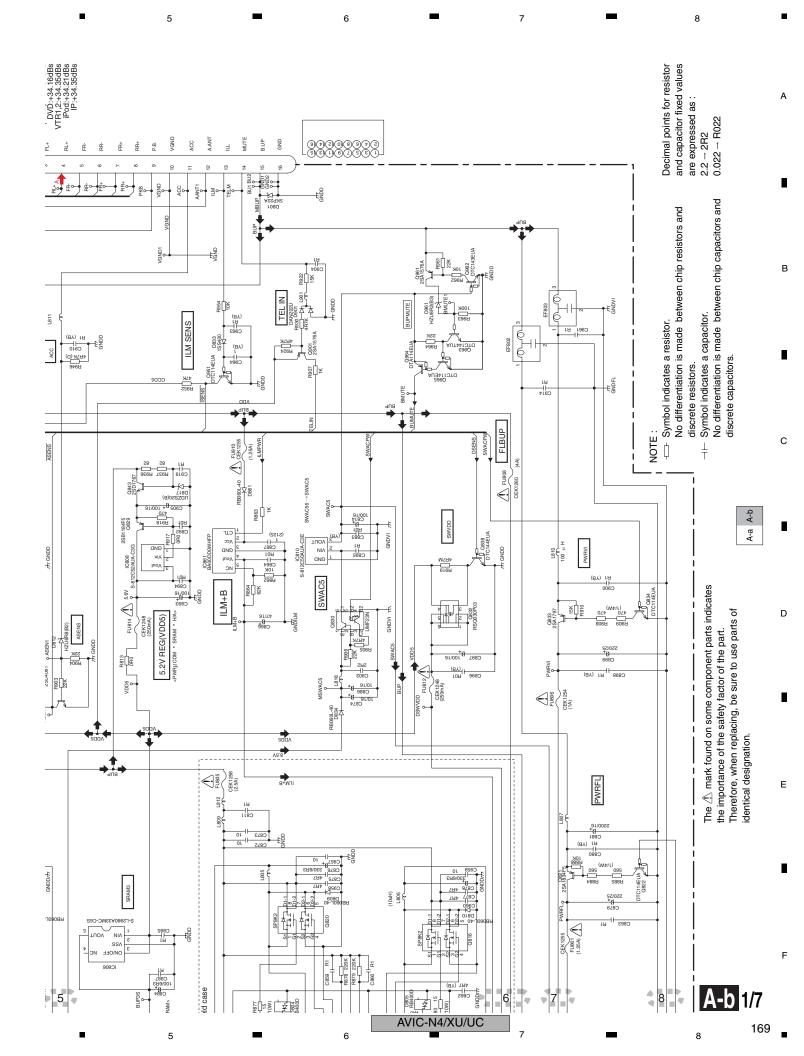
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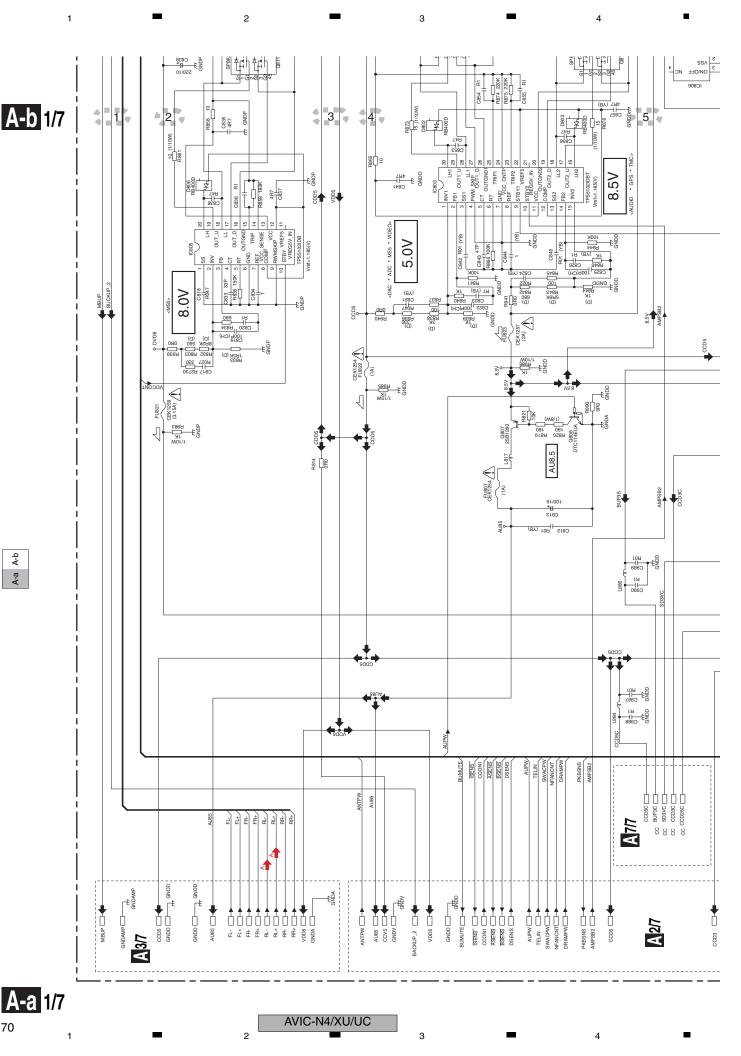
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Vehicle I/F **A**1/7 cc UNIT(P/S) Audio Signal CN802 PARKING SENSE (1/100W) L815 R829 L815 ANTENNA ON В EJ (AB) C610 VEJK(D) H646 EF801 ACC Q840 2SA1576A BUP С NAVI FAN BSENS A-b KS92682 2SB1184F5 Q829 A-a FU814 A 5.6V IC808 26 0000\1e C303 B1 C804 C804 S50K B301 D RF 1813 EU971 CEK1250 (400mA) 301 (AB) 2SC4081 VDD5 Q837 10K 10K 10K 10K CEK1250 (400mA) CN824 D832 A S1G-6904G2P Ε FU804 CEK1258 EU802 CEK1260 (4A) E886 NIA T ON/OEE NC 5 GNDD177 A-b 1/7 15 (1/10W) 15 (1/10W) 18400D 2 3 B400D AVIC-N4/XU/UC 168 2 3

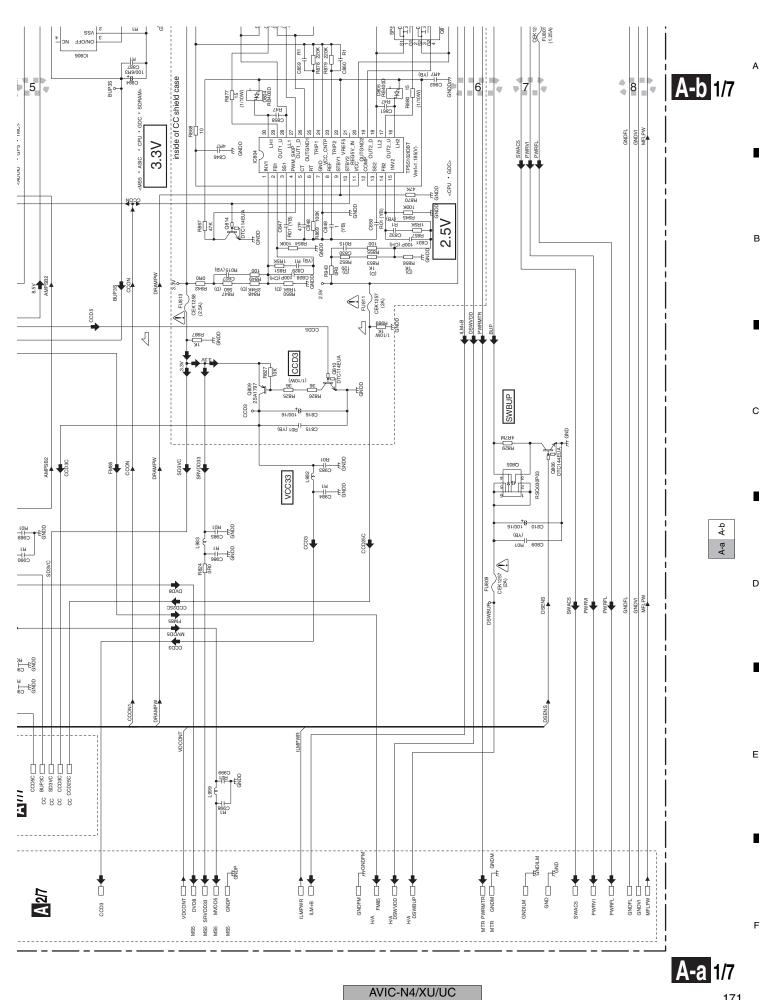
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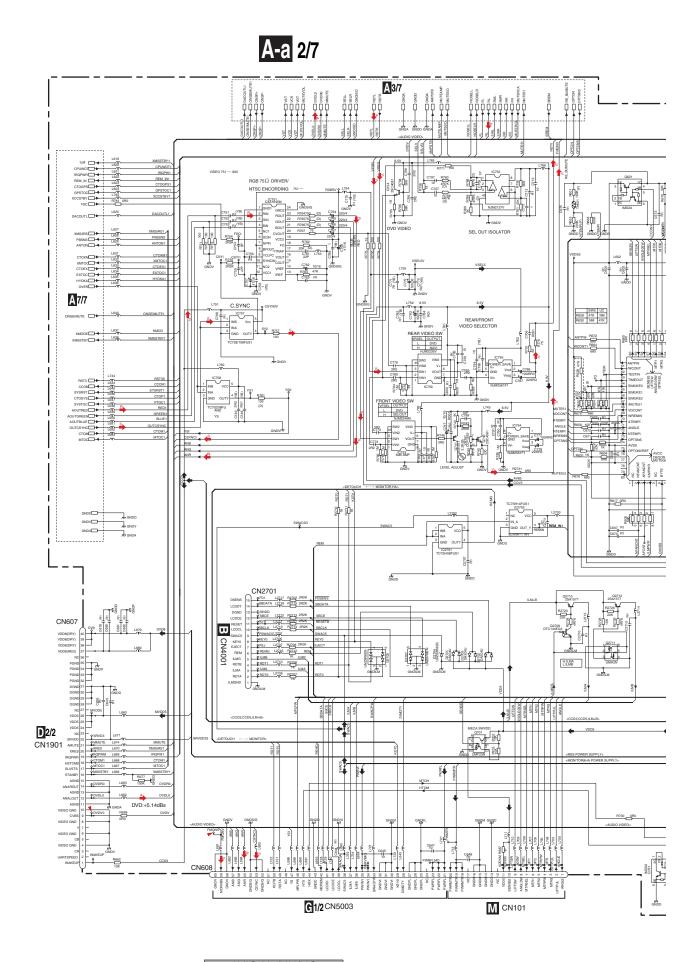




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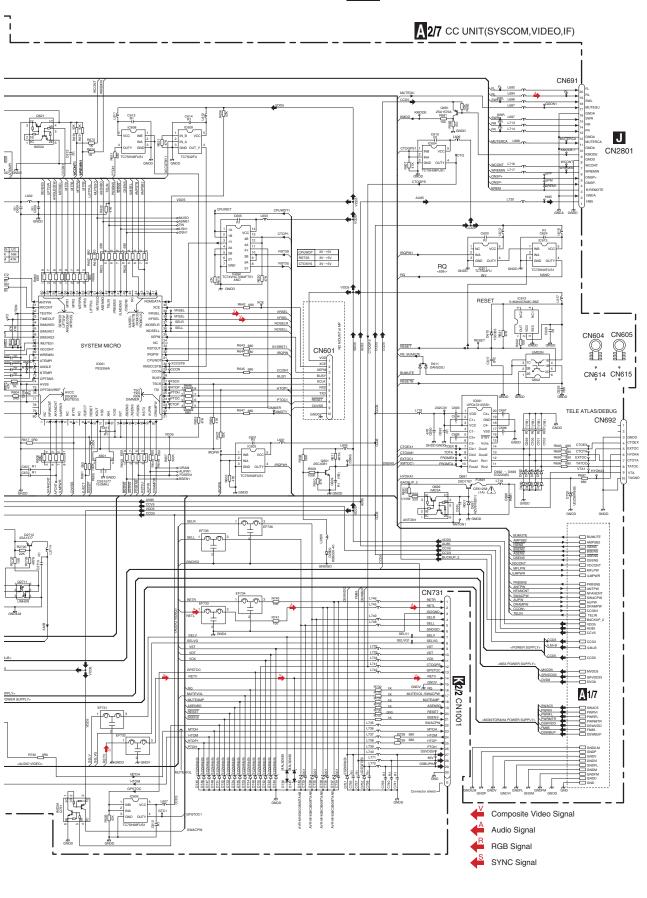
# 10.2 CC UNIT(SYSCOM, VIDEO, IF) (GUIDE PAGE)



**A** 2/7

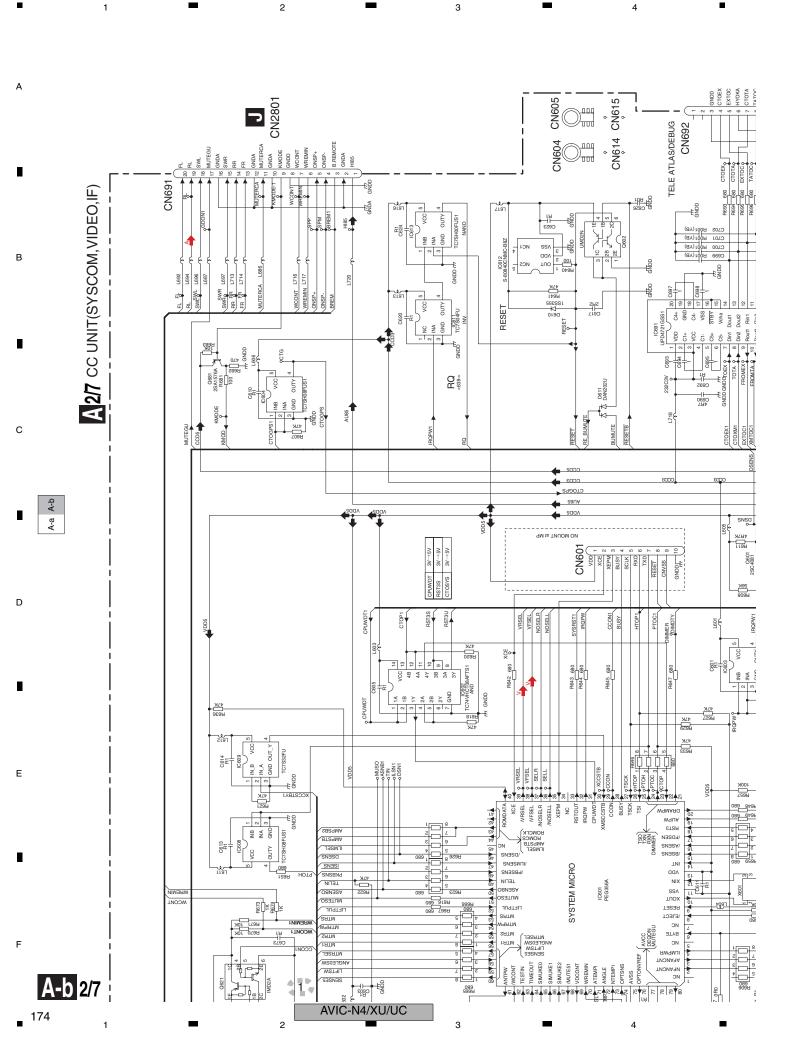
AVIC-N4/XU/UC

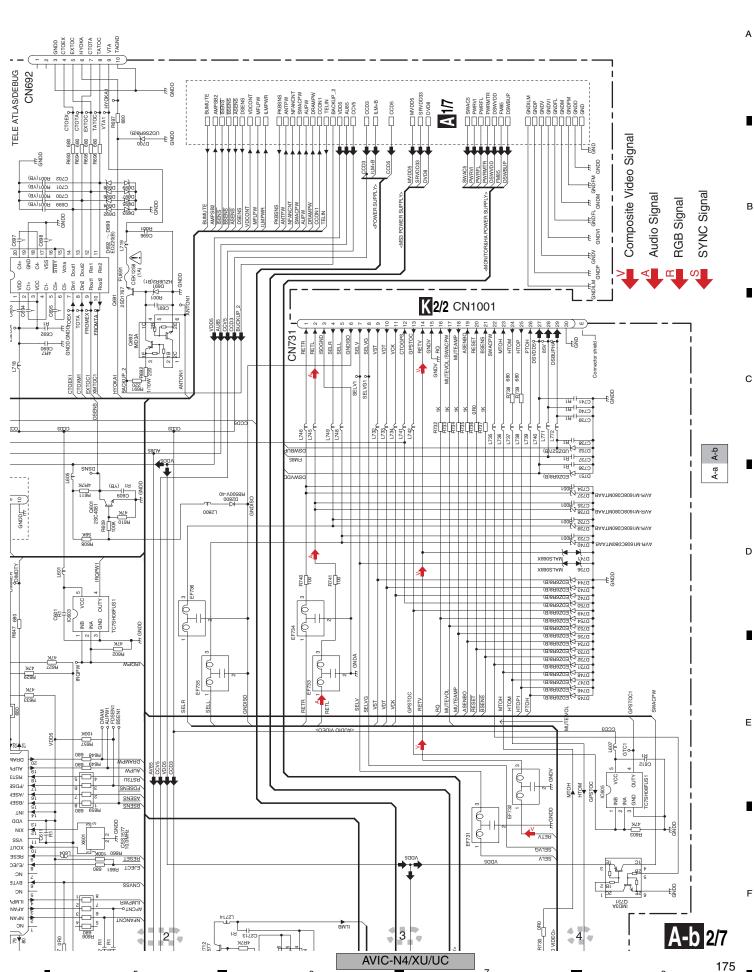
A-b 2/7

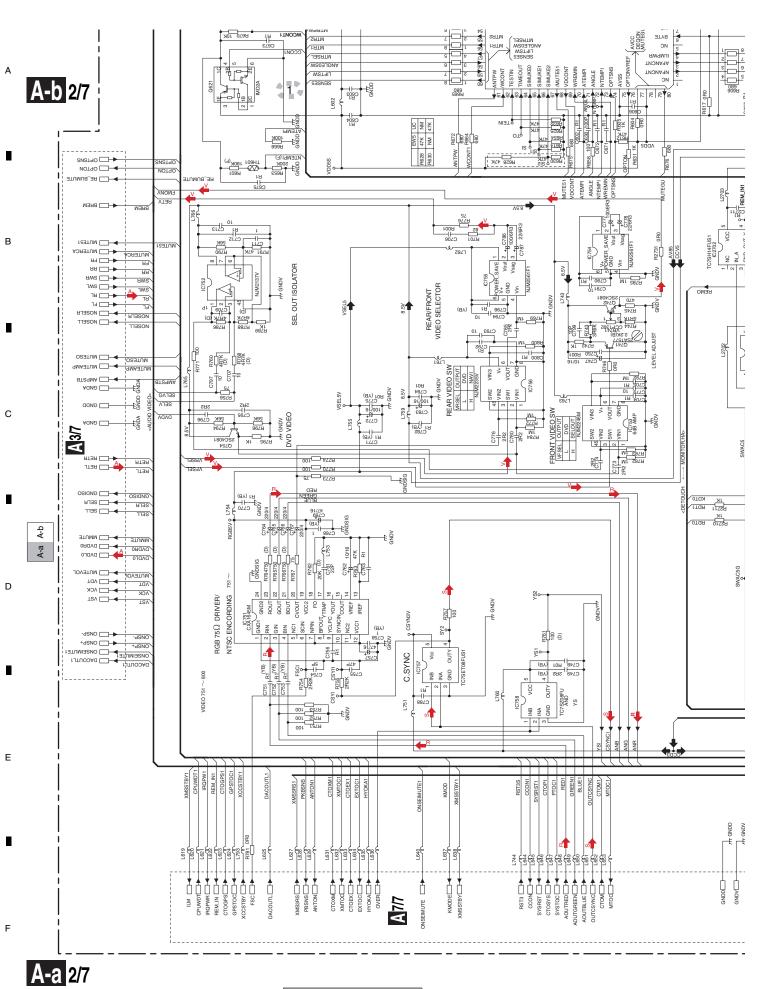


A 2/7

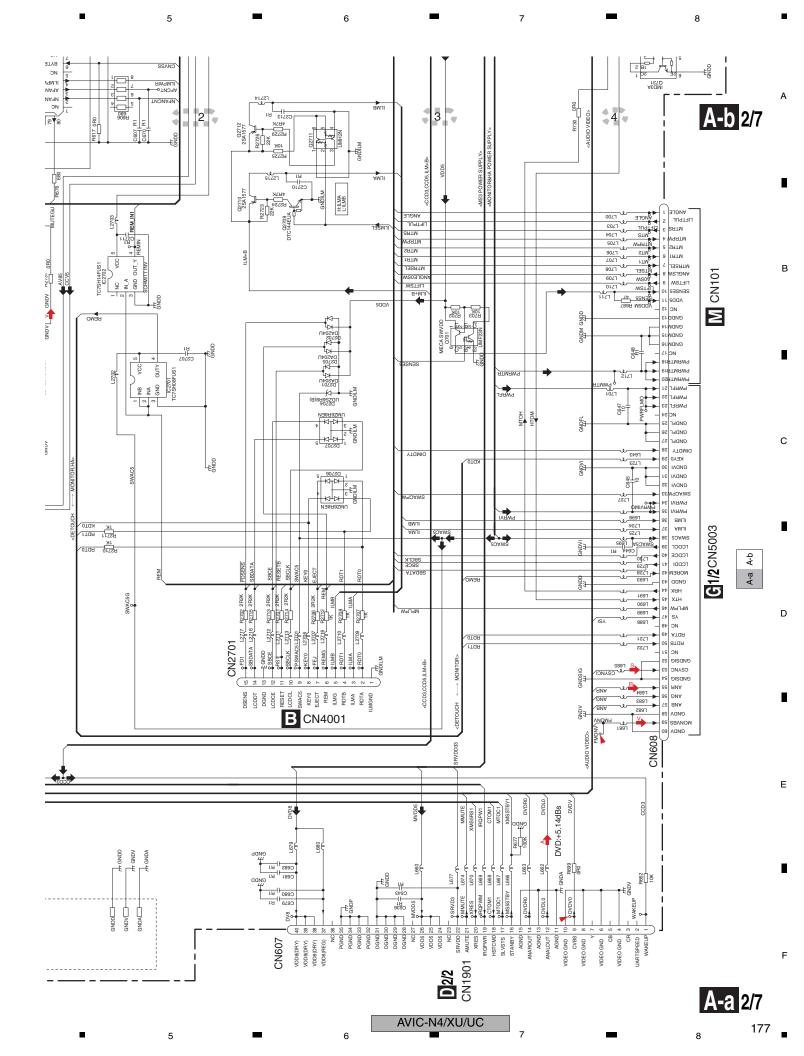
AVIC-N4/XU/UC



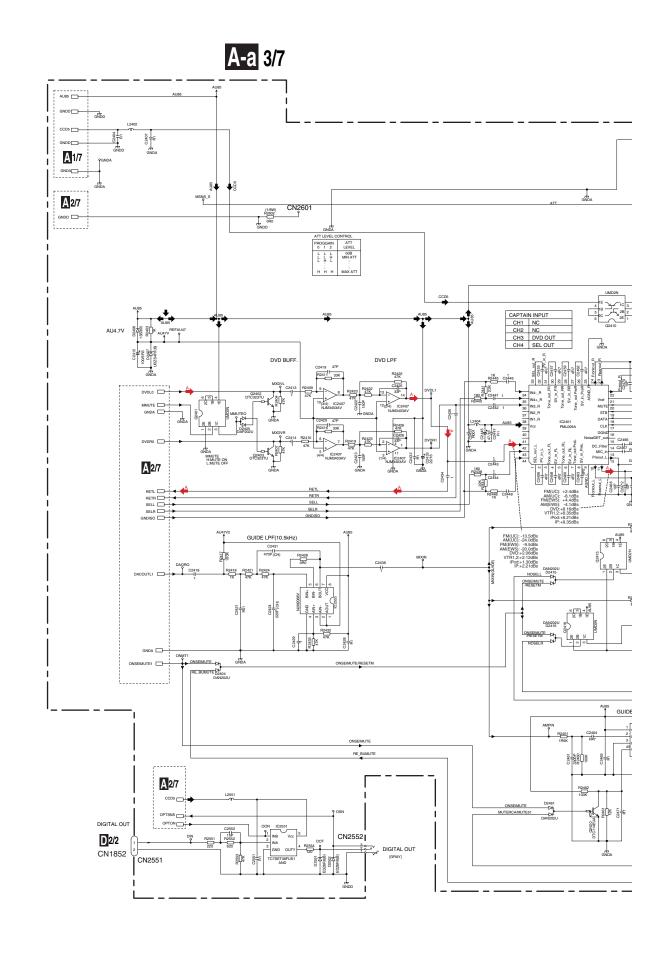




AVIC-N4/XU/UC



# 10.3 CC UNIT(AUDIO)(GUIDE PAGE)



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**A** 3/7

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A-b 3/7

A 3/7 CC UNIT(AUDIO) A 2/7 A 1/7 AUDIO MIX AMP DTC3223TU NOSELE NOSELL A 2/7 GUIDE SP AMP MUTE51
ONSP-Audio Signal

**A** 3/7

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A3/7 CC UNIT(AUDIO) SWL SWR L SW A MUTESO
MUTEAMP
A MAPSTB VDD5 GNDAMP MICSNS1 A 2/7 GNDA TMTMD2413

D2413

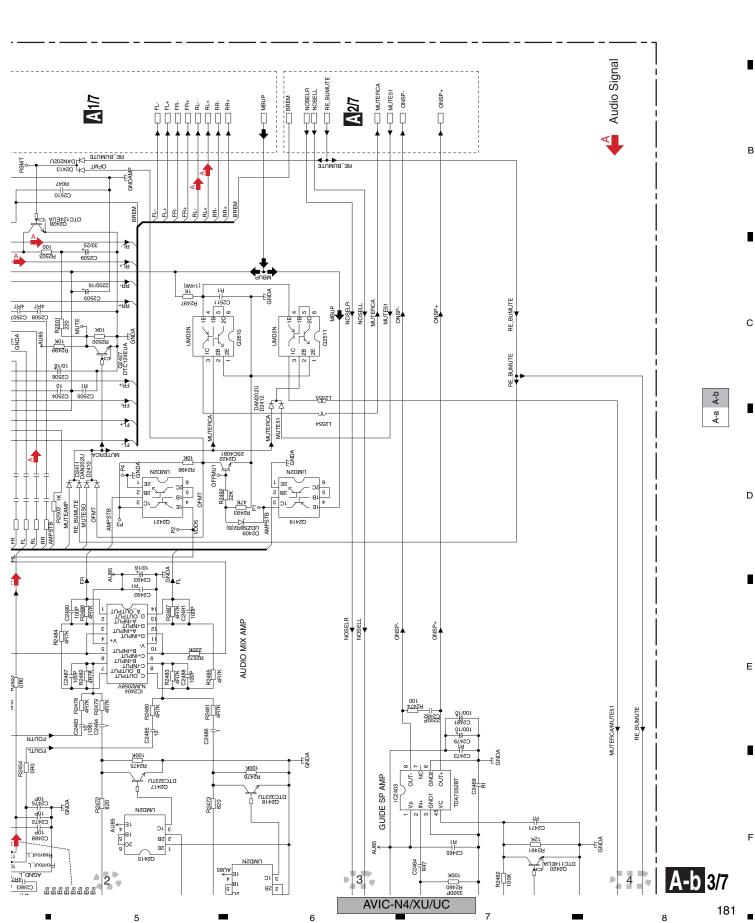
D302NAG

D413 H047 C2510 DTC124EUA S5.B.REMOTE 24.PW.GND4 -3.RL-+JR.1S S2.MUSS \$0.VCC3/4 -AA.61 00/16 Kr CS203 18.PW.GND3 +88.71 16.ACGND NIAA.81 NLIA.41 13.S-GND 12.FLIN 11.FRIN AV2.01 +A7.6 -FR-8.PW.GND1 A-b +J7.8 Y8T8.4 -J7.6 2.PW.GND2 8AT.1 R2566 100 R2567 100 R2568 100 (2125) C2494 C2498 C2495 C2499 AUPW MUTEAMP SWR 470 R2488 R2465 R2465 VST1 SWI SWR 25569 + + HS228 47K 47K R2556 R01 R01 C2558 E2571 P S S 0H0 25 3 3 3 3 3 3 3 3 RTUOT FOUTL A CLK THE STREET OF THE STREET \$ 1 8 45 st) R2472 ## Paragraph | Par \_\_tuotnor **A-b** 3/7 GNDA GNDA C2463 8 AVIC-N4/XU/UC 180 3 4

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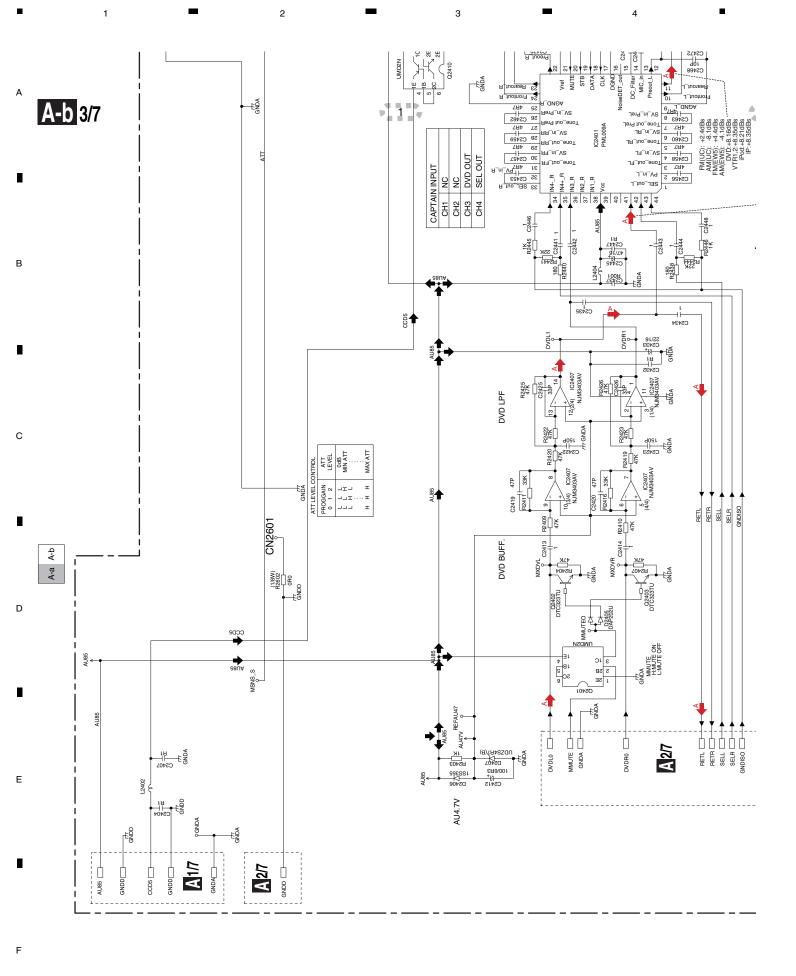
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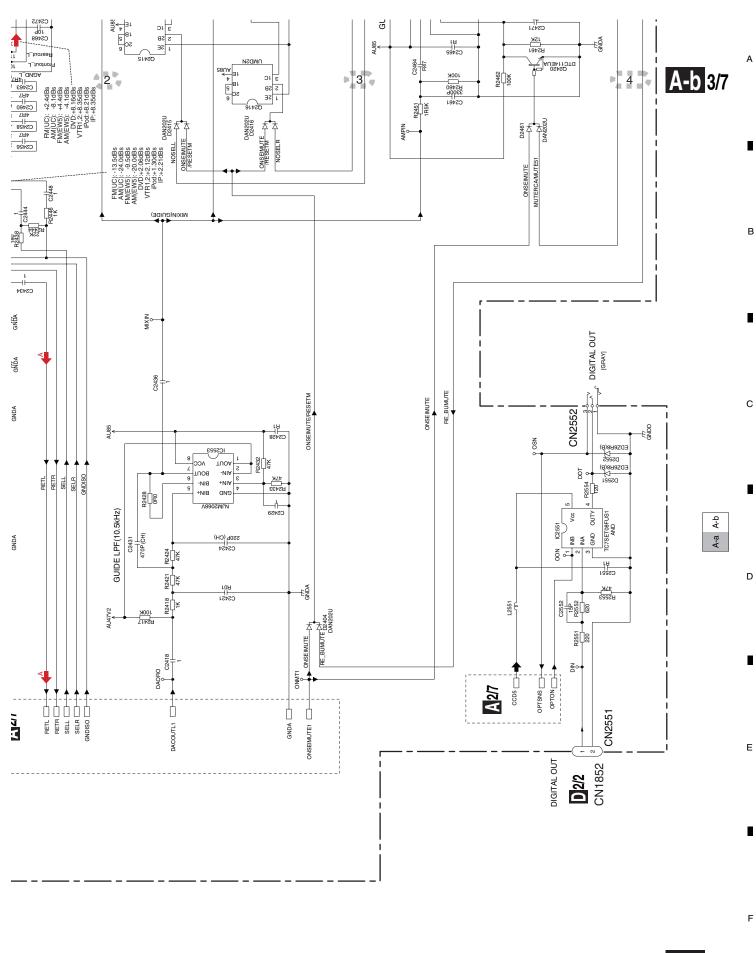
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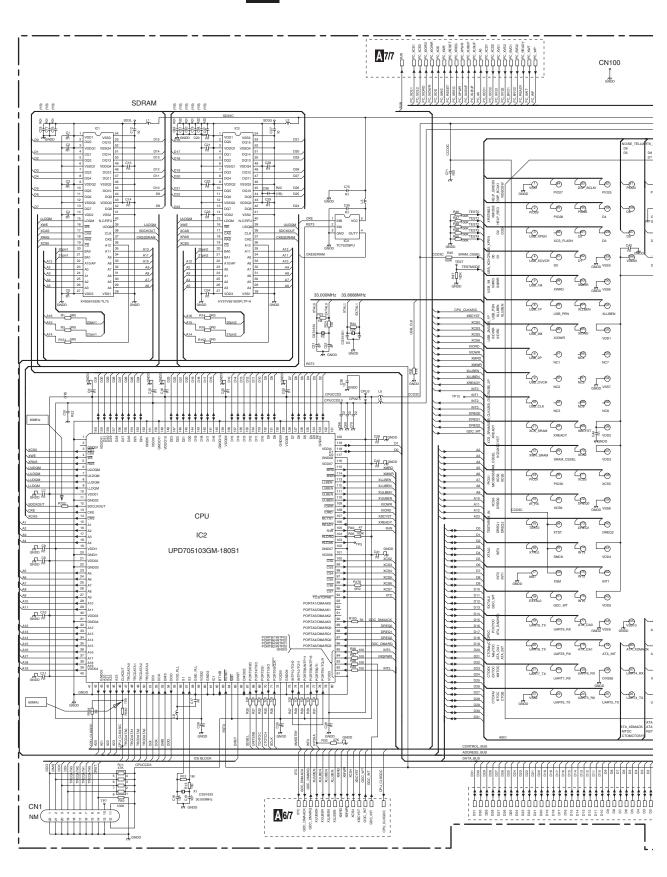


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AVIC-N4/XU/UC

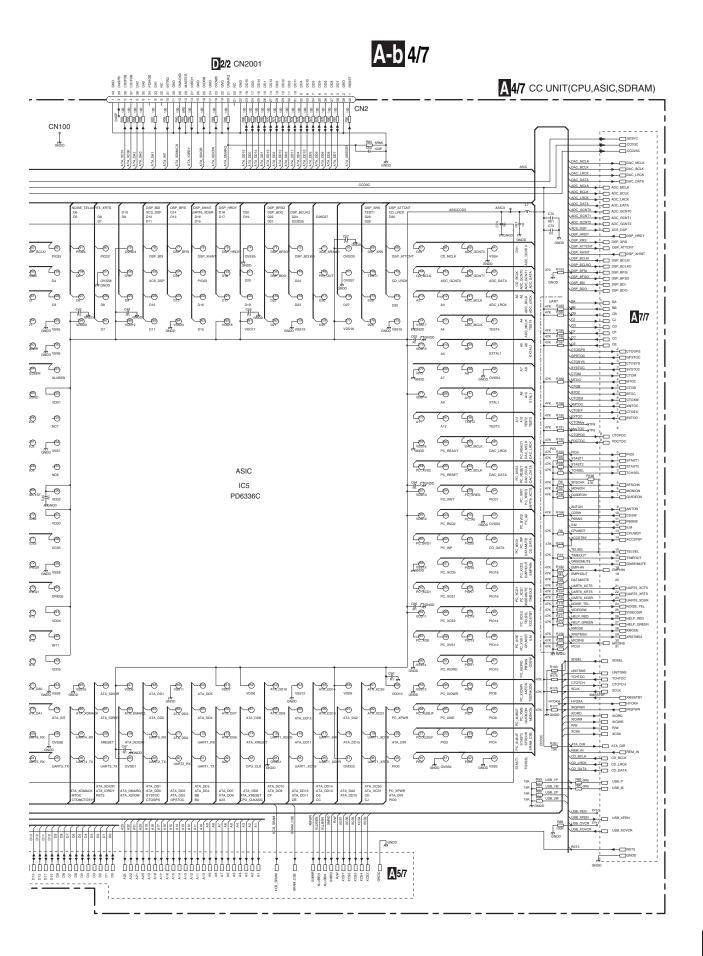
#### 10.4 CC UNIT(CPU,ASIC,SDRAM)(GUIDE PAGE)

A-a 4/7



**A** 4/7

AVIC-N4/XU/UC



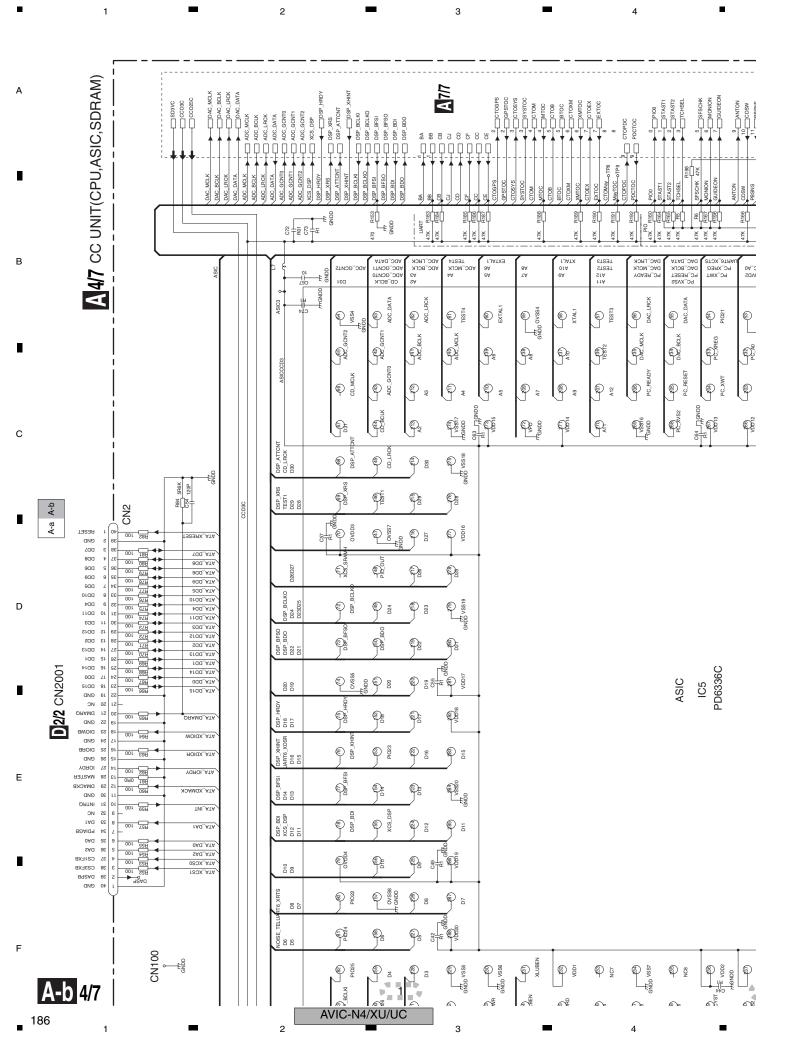
A 4/7

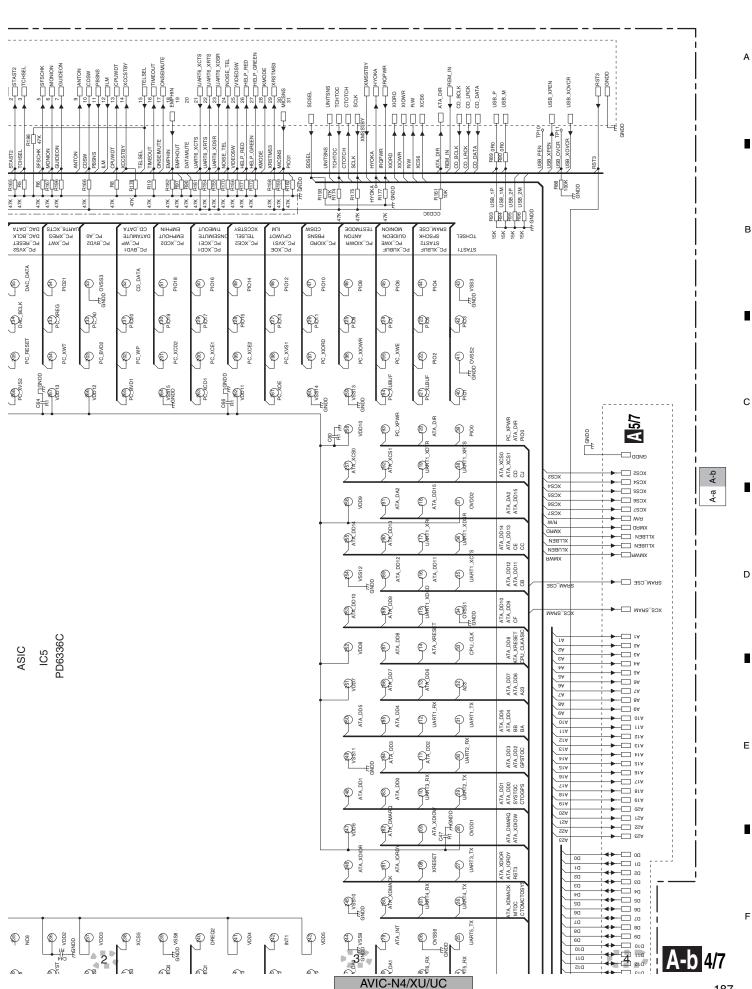
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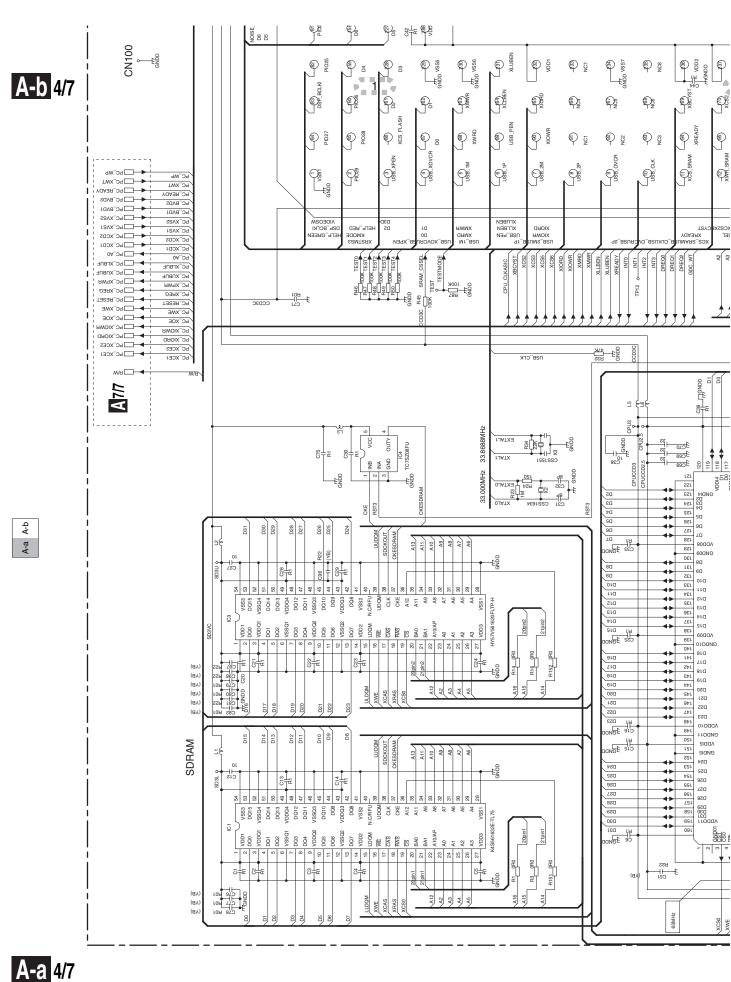
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AVIC-N4/XU/UC







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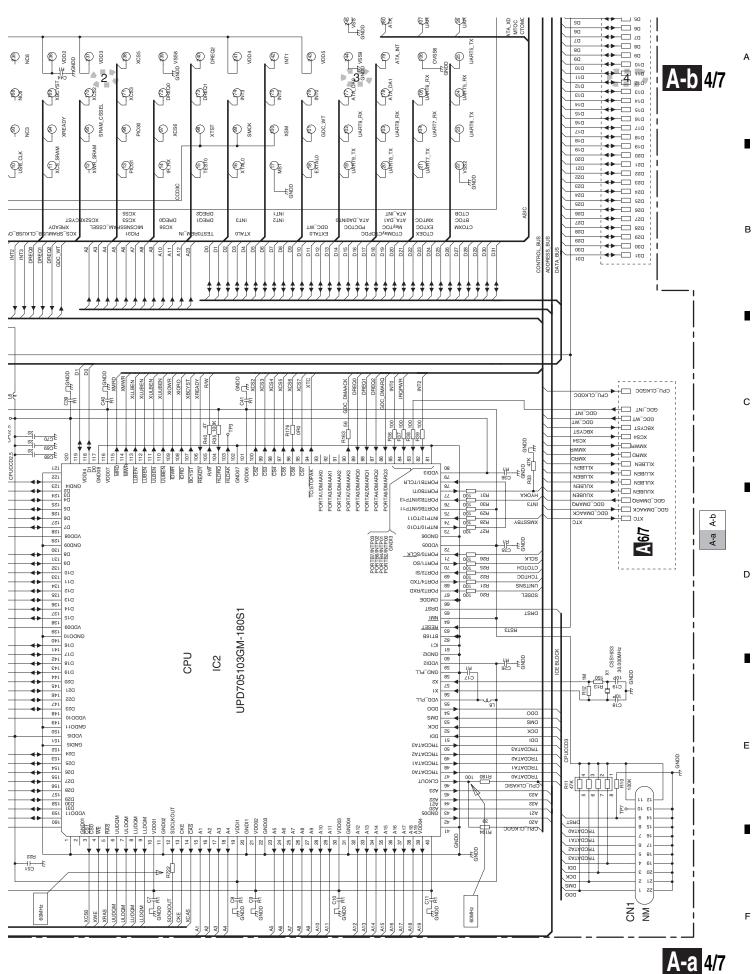
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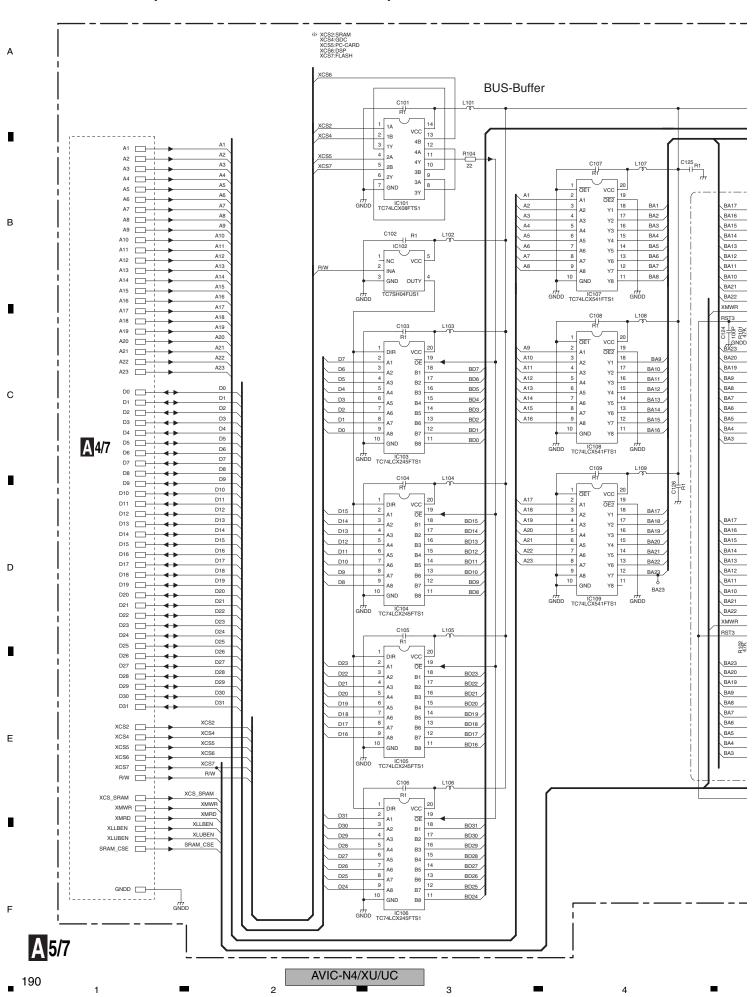
AVIC-N4/XU/UC

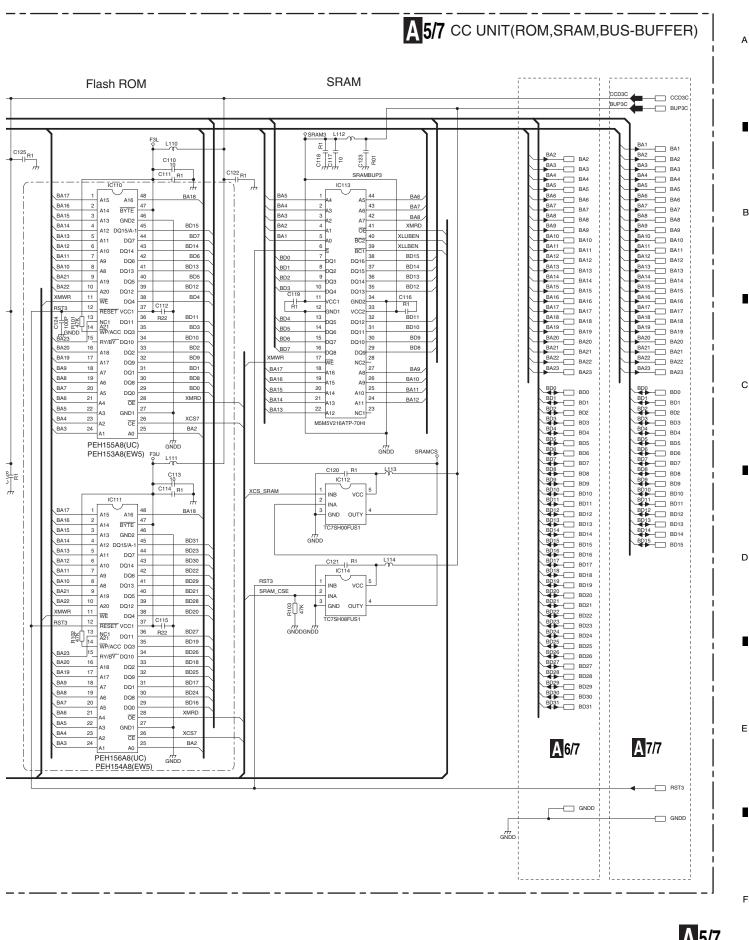


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AVIC-N4/XU/UC

### 10.5 CC UNIT(ROM, SRAM, BUS-BUFFER)





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AVIC-N4/XU/UC

В

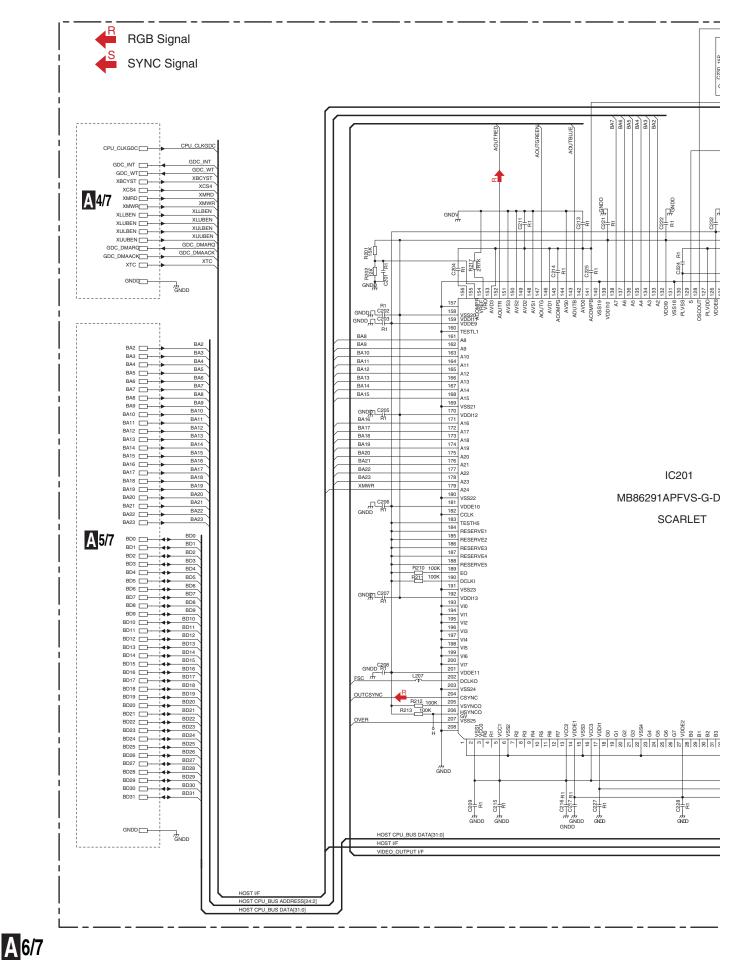
### 10.6 CC UNIT(GRAPHIC)

С

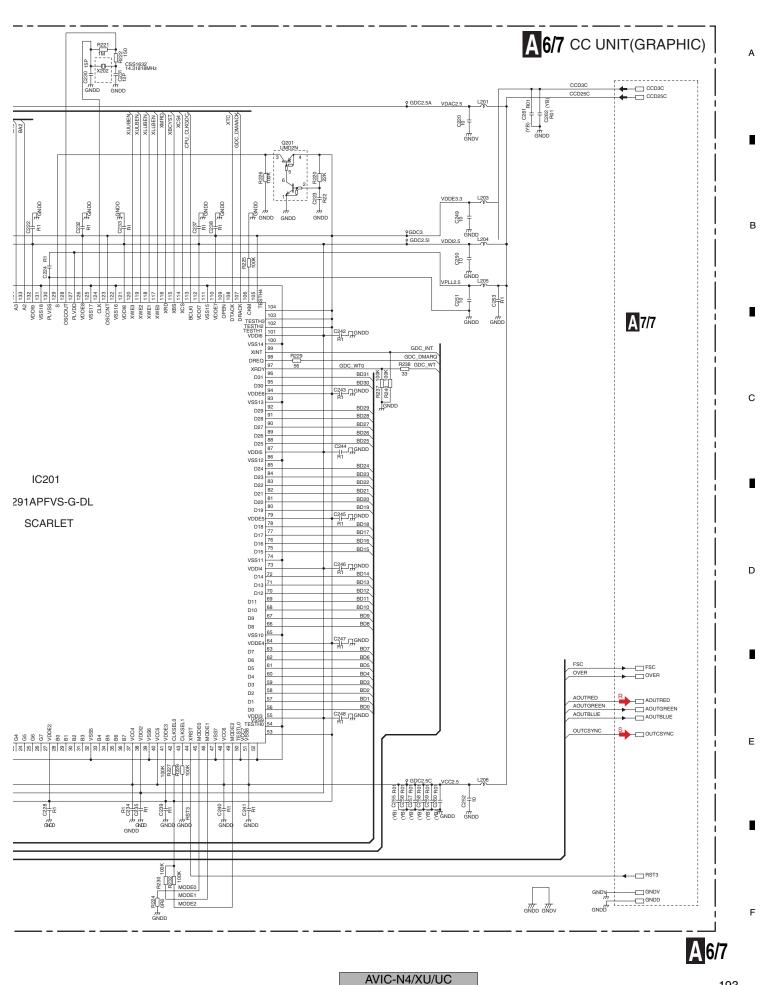
D

Е

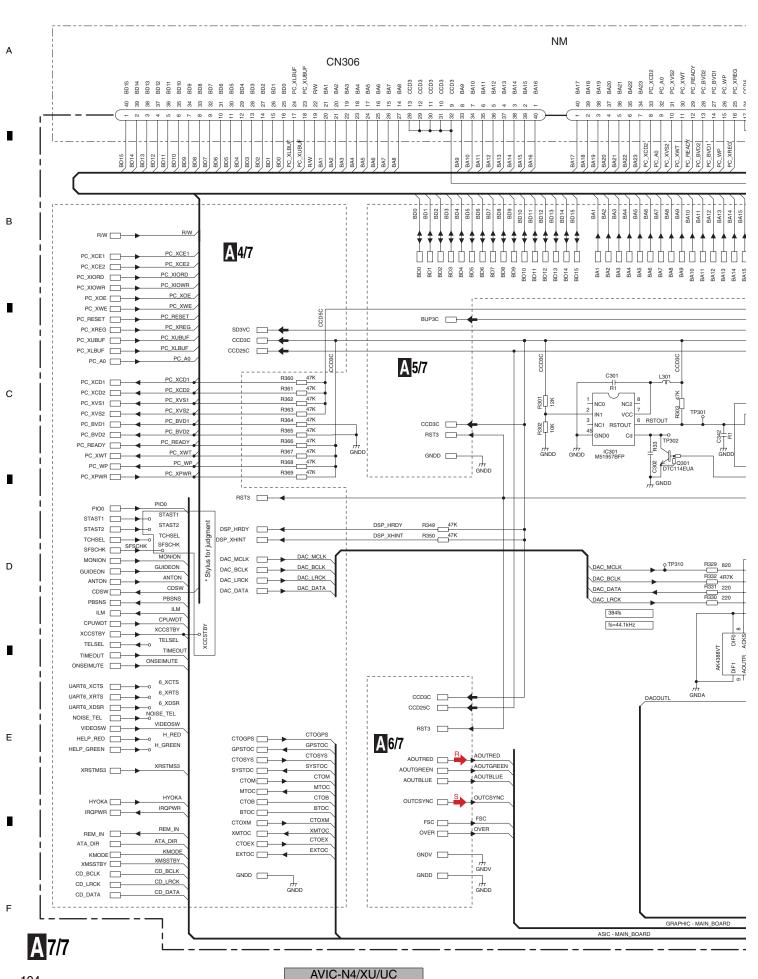
192

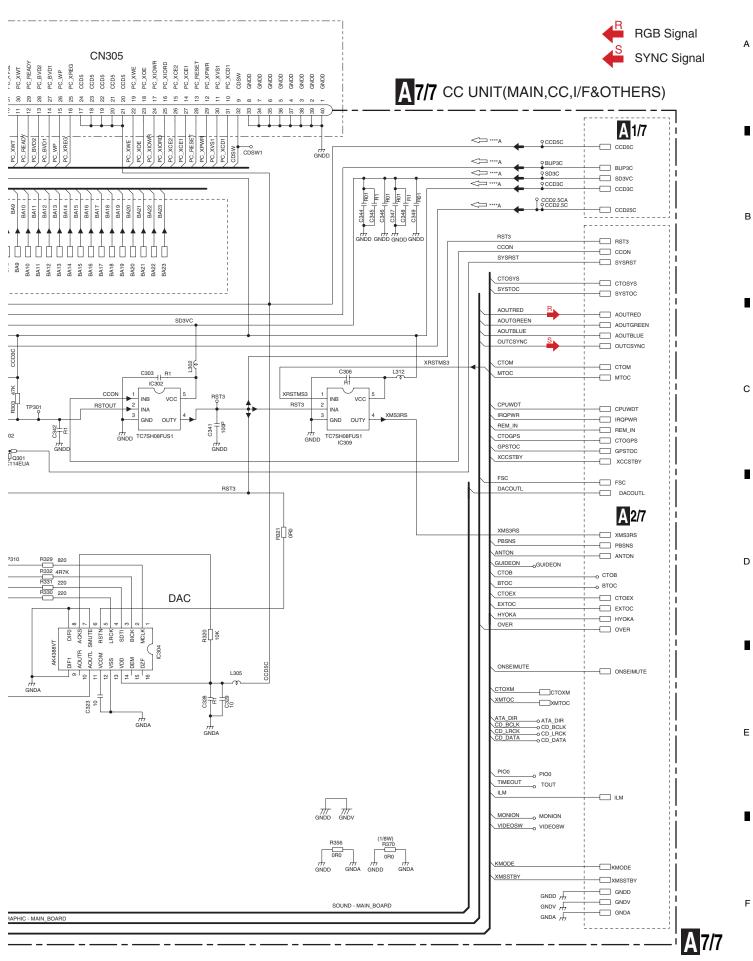


AVIC-N4/XU/UC

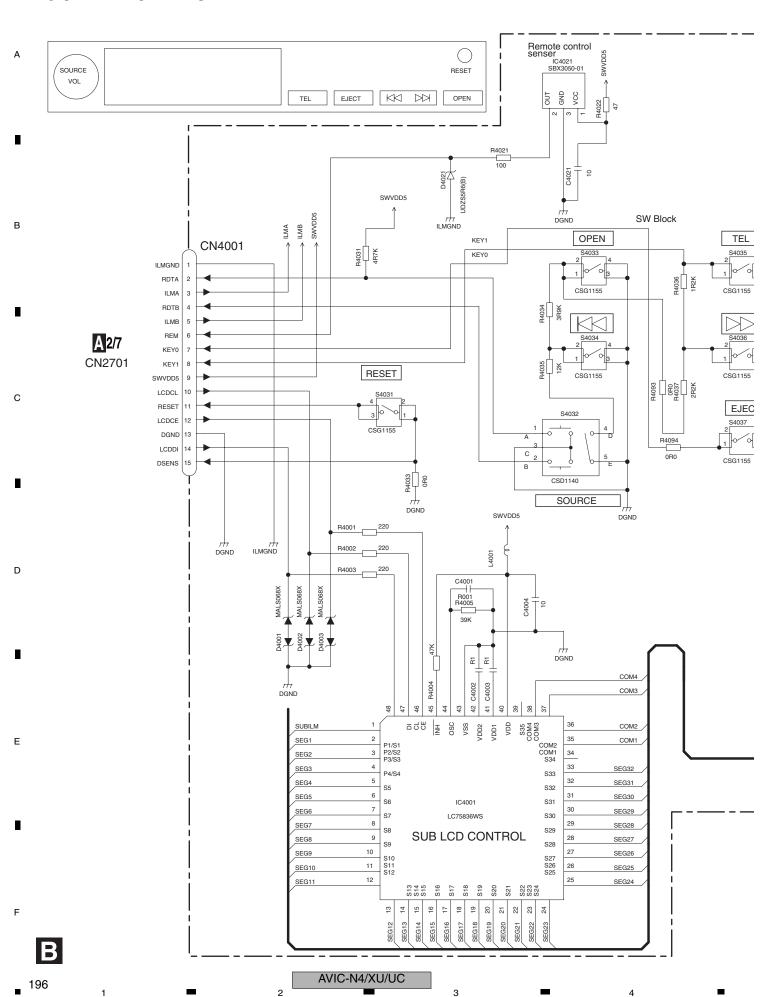


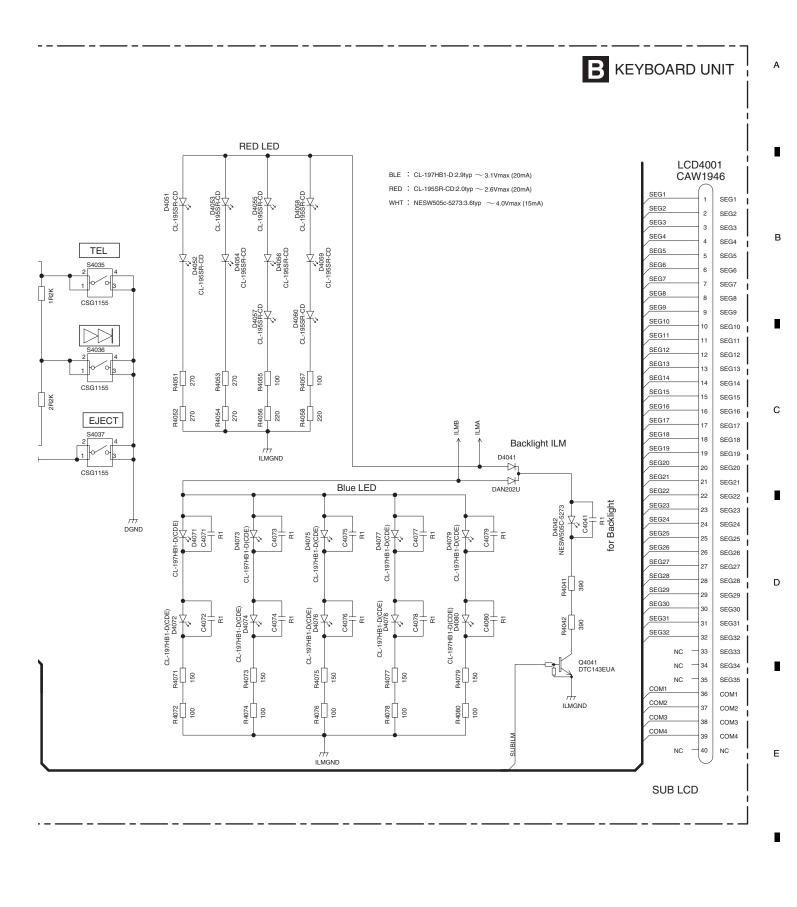
### 10.7 CC UNIT(MAIN,CC,I/F&OTHERS)





AVIC-N4/XU/UC





В

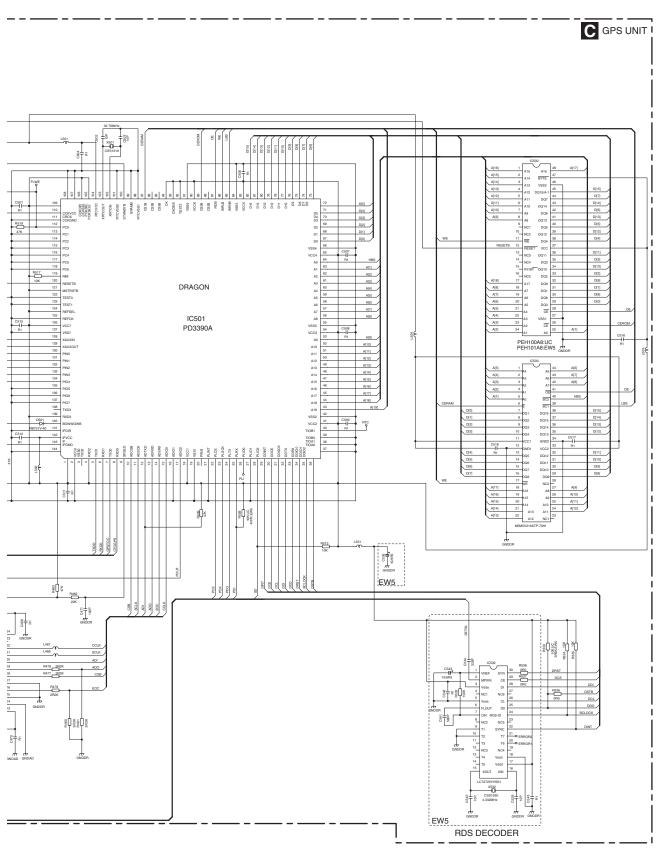
AVIC-N4/XU/UC

# 10.9 GPS UNIT(GUIDE PAGE)

GPS ANTENNA CN504 DIAG part CN461 CN551 3R3K AVIC-N4/XU/UC

C-b

5



C

AVIC-N4/XU/UC

199

В

С

D

Е

GPS UNIT -V-1203 삥 25 F D[10] 0[2] D[3] D[15] D[14] A(6) A(7) PEH100A8:UC PEH101A8:EW5 DQ2 DQ1 DQ1 DQ0 VSS1 8 NC2 SS NC5 NC4 5 4 5 9 5 RESETB A[6] A[4] A[3] A[2] A(4) A(3) A(1) A(15) A(14) A(12) A(11) A(10) A(10) A[18] A[8] D[1] D[2] D[3] A[12] A[13] A[14] A[16] A[17] A[10] A[11] A[15] A[18] -0°£ D[5]
D[4]
D[3]
D[2]
D[1]
D[0] 1 CS08 C507 £Z ‡Z 90 20 80 60 [4]a [8]0 [6]0 94 010 [01]a 110 [11] D1S [15] D13 [£1]a p1d [11] D18 B1 ACCE аным MBLB ЭM 808 OE IC501 PD3390A DRAGON CEHOM STSBT CS3B CERAM RTCVSS1 BTCVSS0 101 тиоэтях 103 104 CKZETO LCKZET CCKZET CCKDIB 102 C204 100 119 120 ₽D ₹ AVIC-N4/XU/UC

3

3

2

Α

В

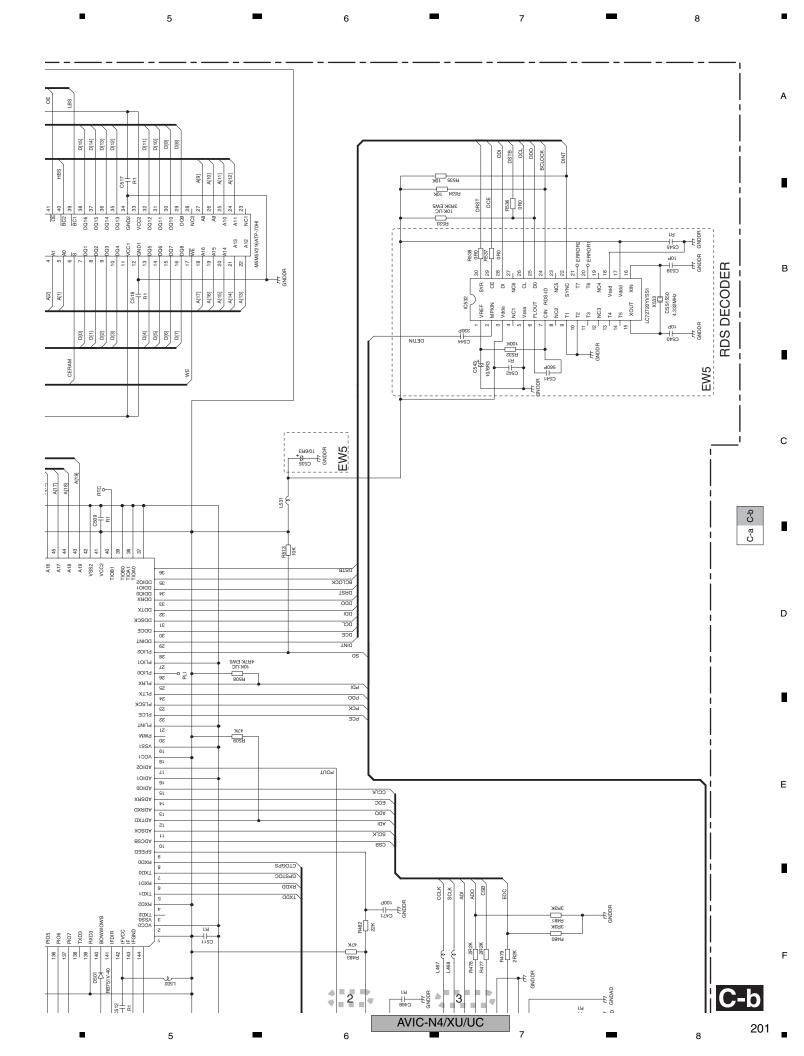
С

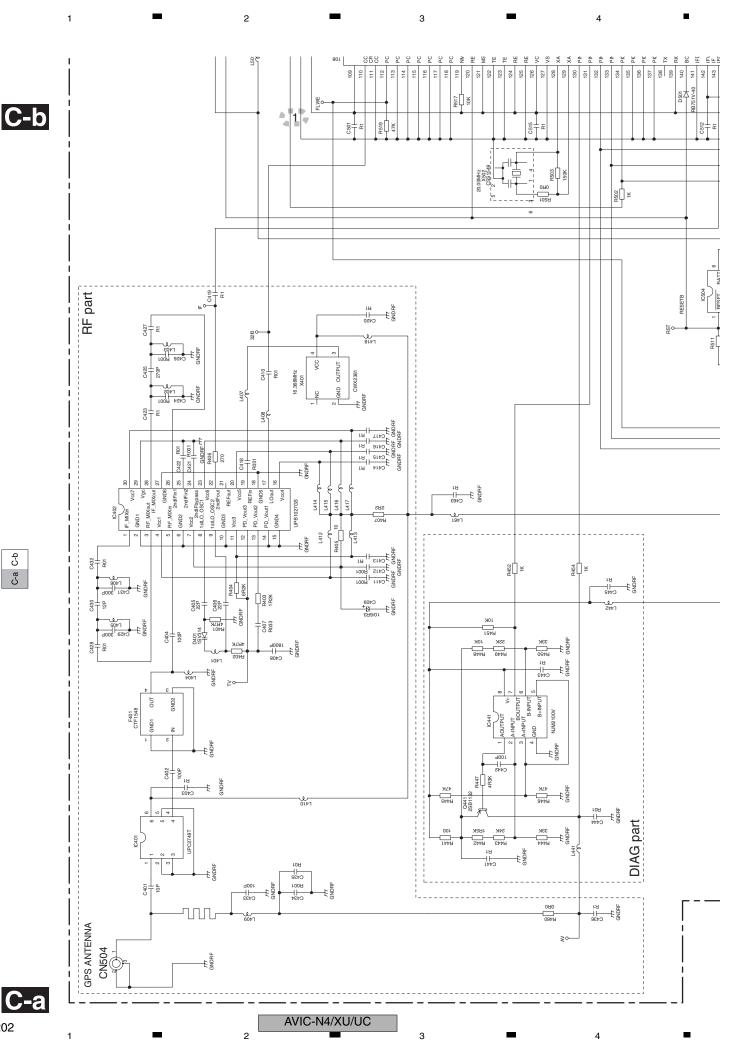
C-a C-b

D

Ε

F

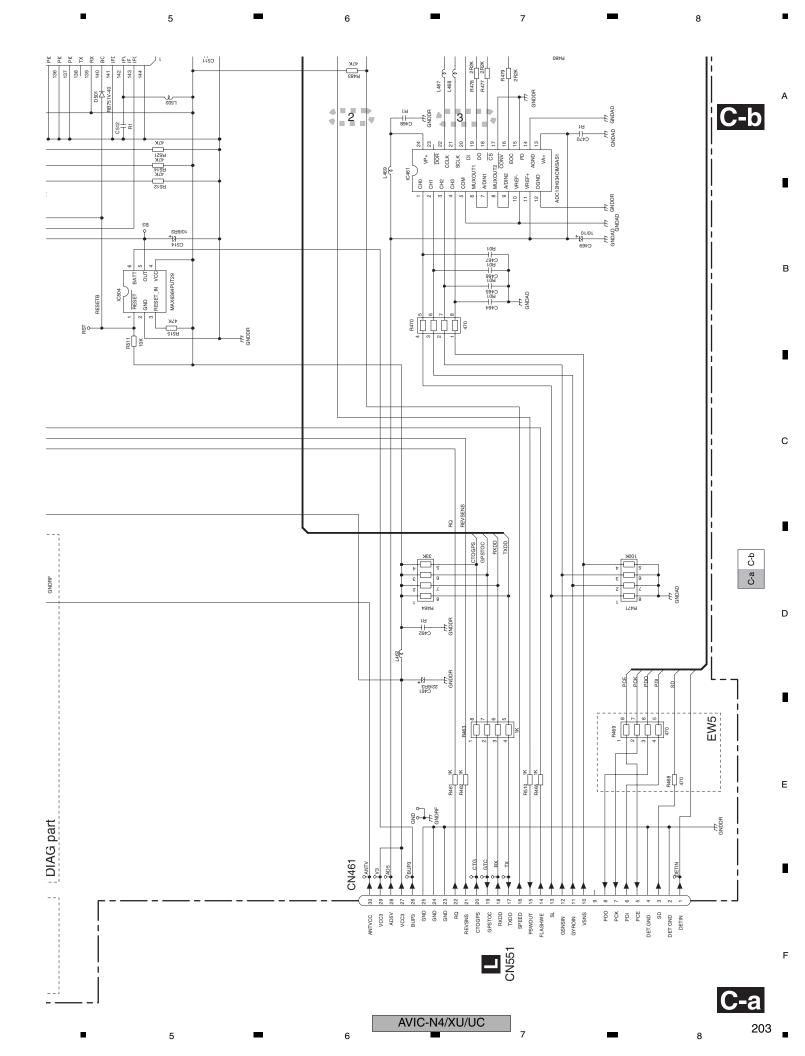




С

D

Ε



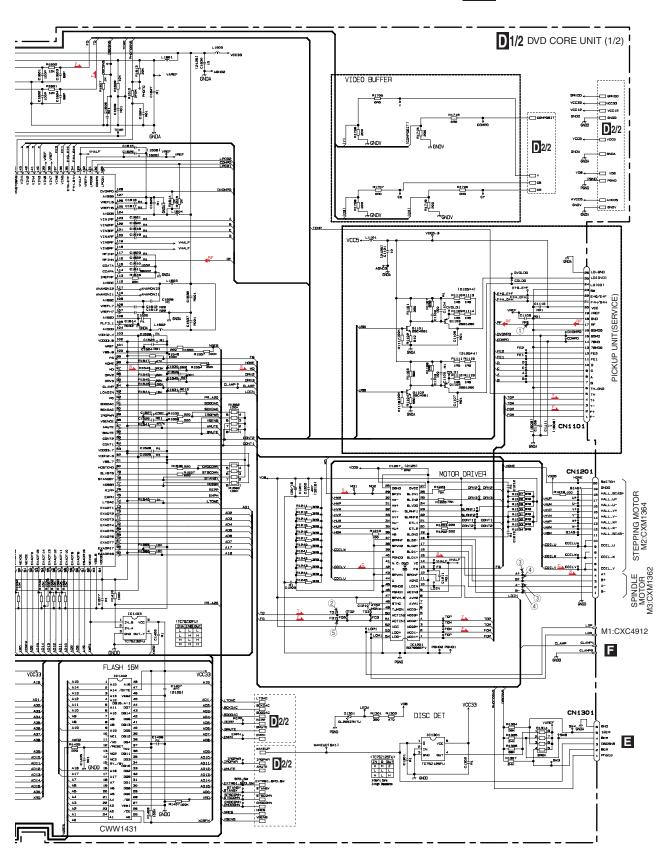
### 10.10 DVD CORE UNIT(1/2)(GUIDE PAGE)

D-a 1/2 8 5 100 5 8 MODELE MO FLASH 16M RF SIGNAL FOCUS SERVO LINE TRACKING SERVO LINE CARRIAGE SERVO LINE
SPINDLE SERVO LINE

**D** 1/2

AVIC-N4/XU/UC

## D-b 1/2



D 1/2

AVIC-N4/XU/UC

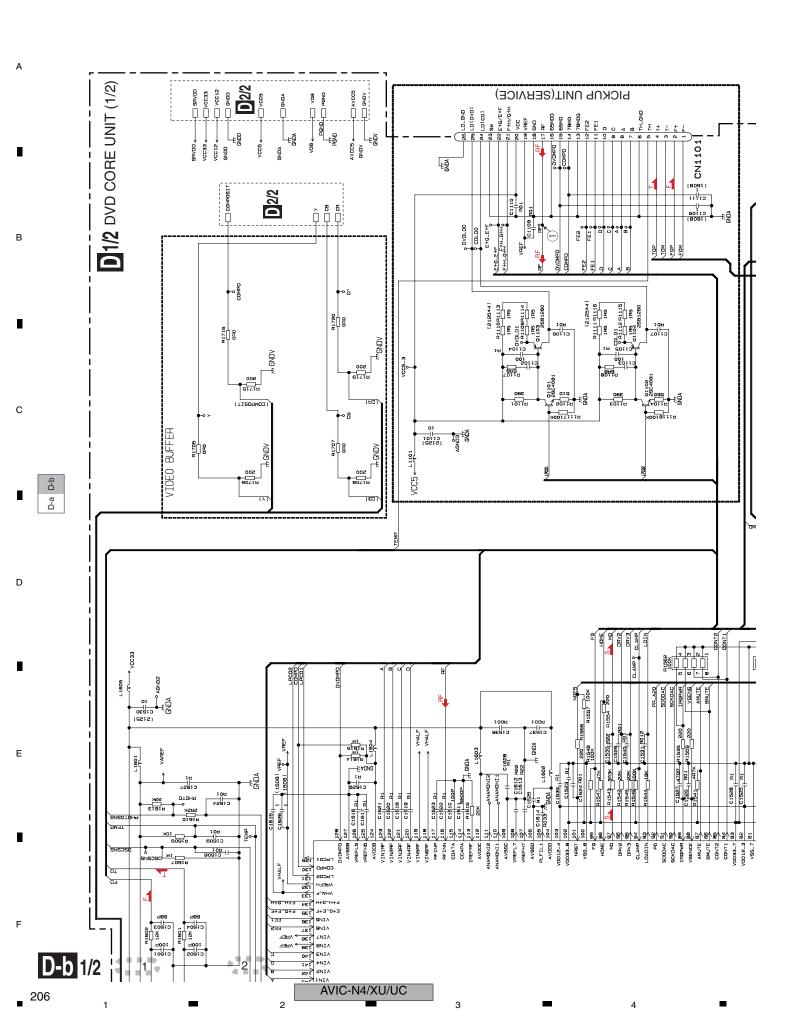
205

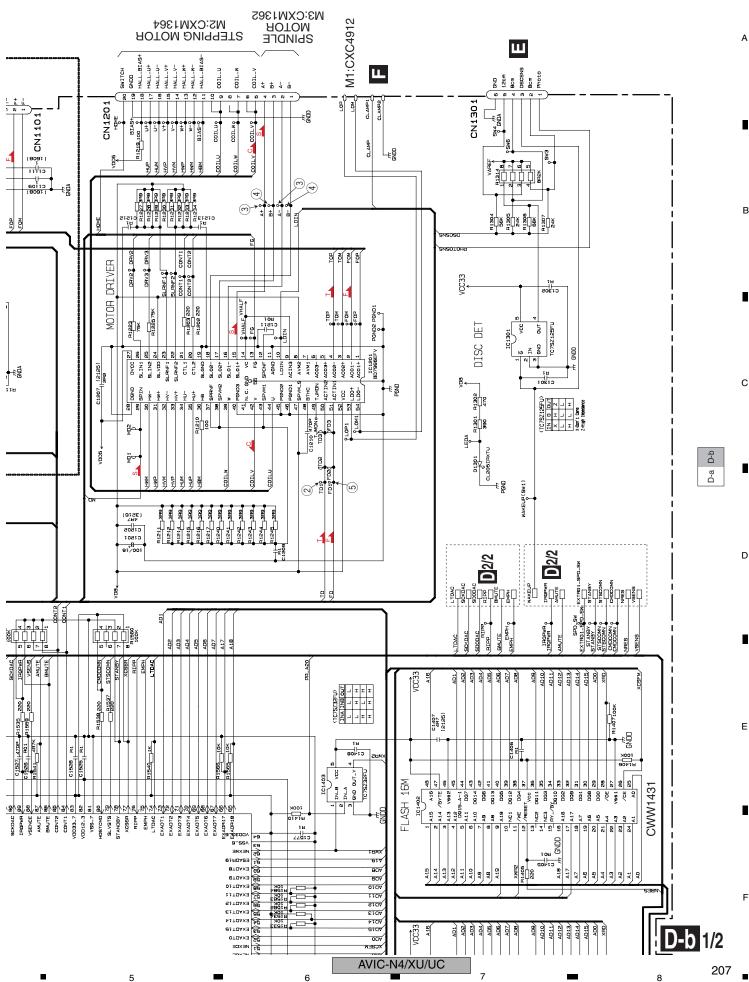
В

С

D

Е

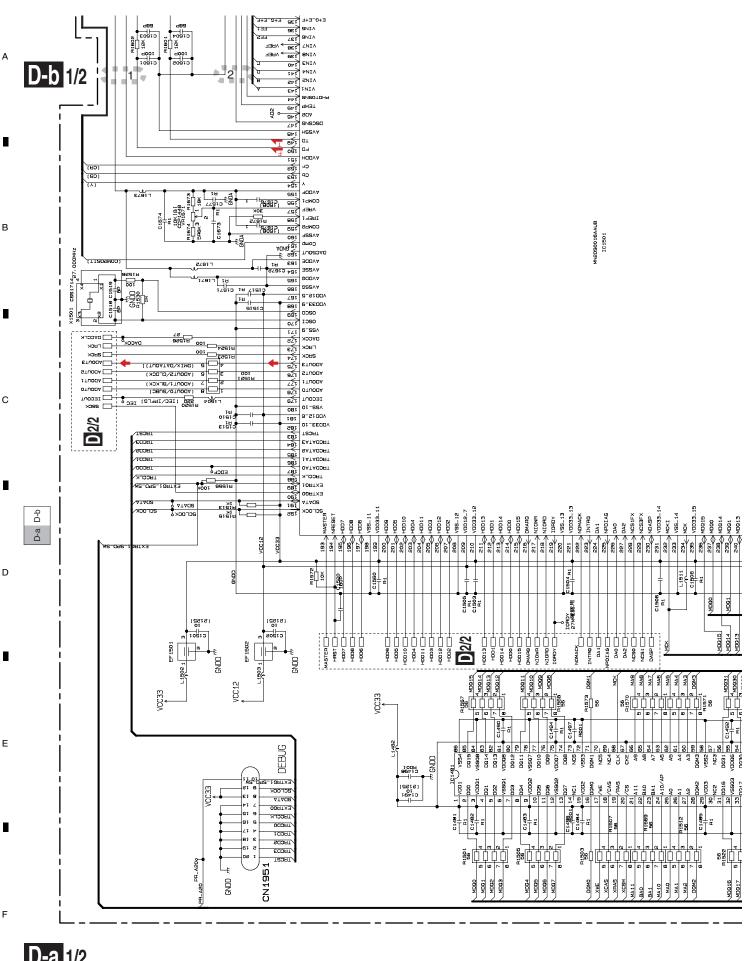




В

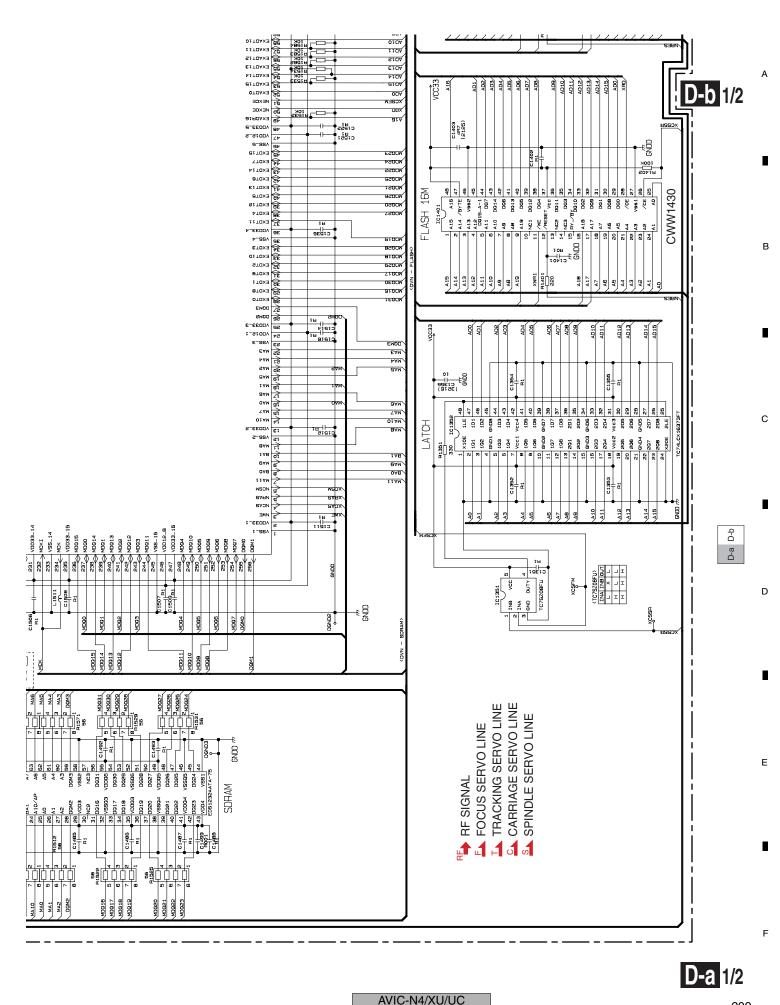
С

D



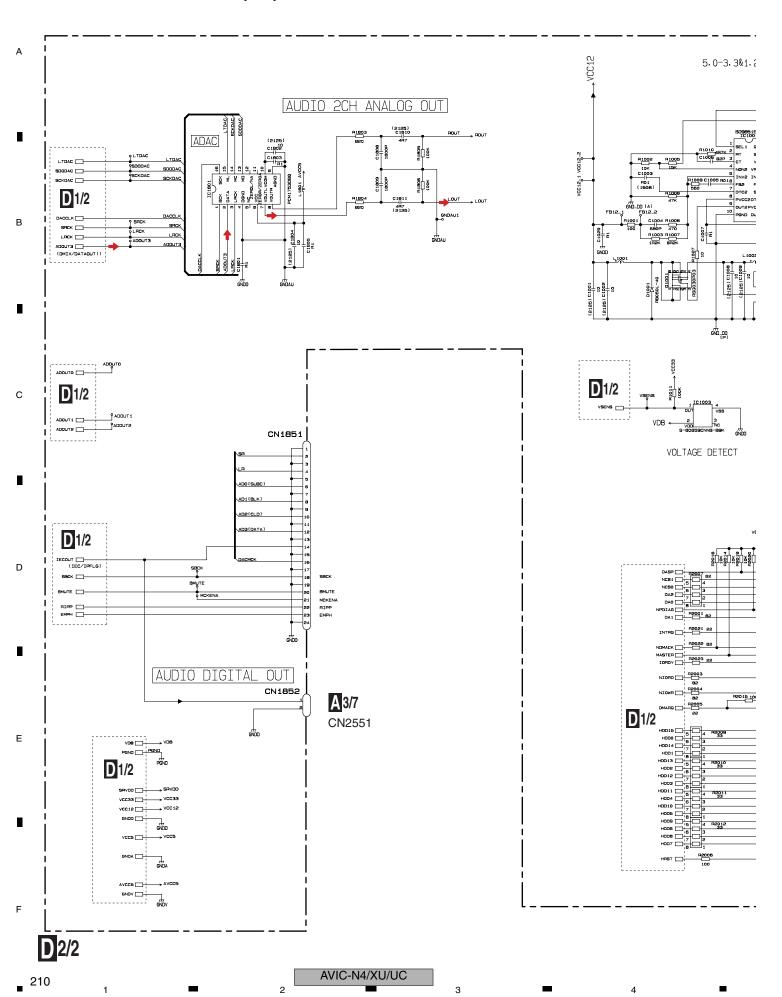
D-a 1/2

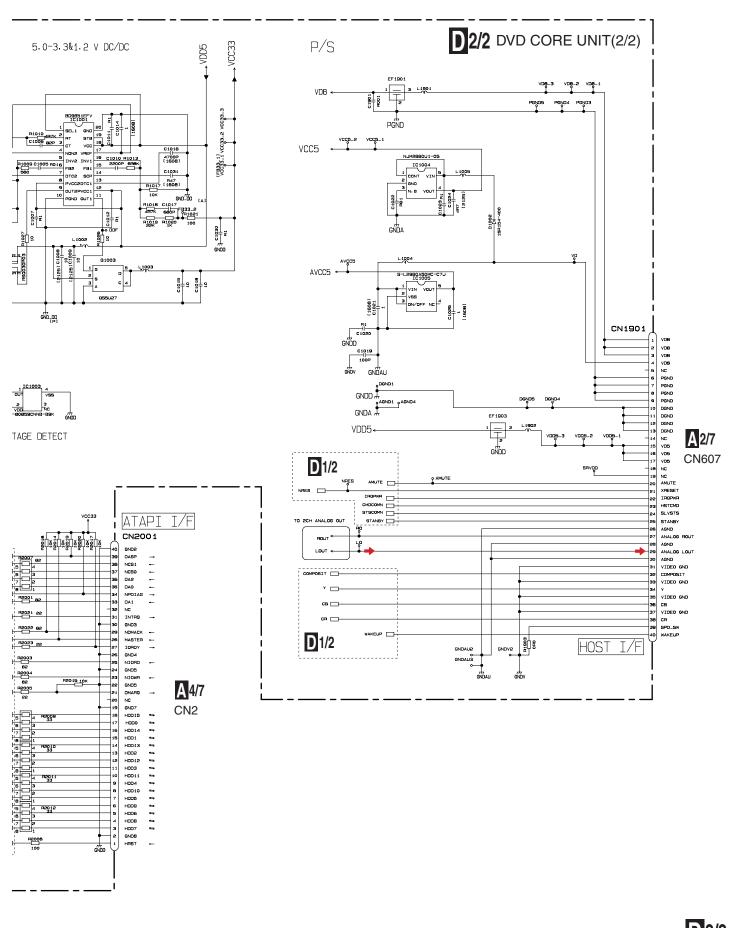
AVIC-N4/XU/UC



AVIC-N4/XU/UC

### 10.11 DVD CORE UNIT(2/2)





D 2/2

211

В

С

D

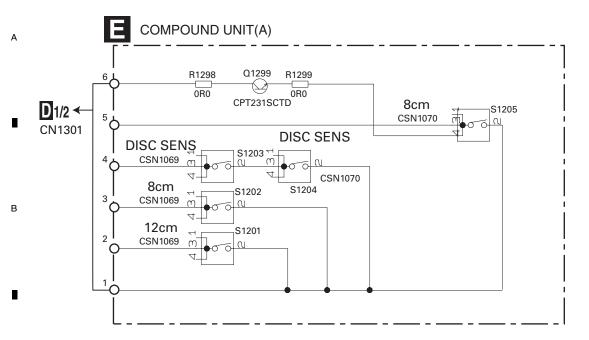
Е

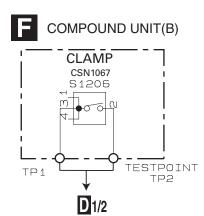
7

AVIC-N4/XU/UC

5

#### 10.12 COMPOUND UNIT(A) AND COMPOUND UNIT(B)

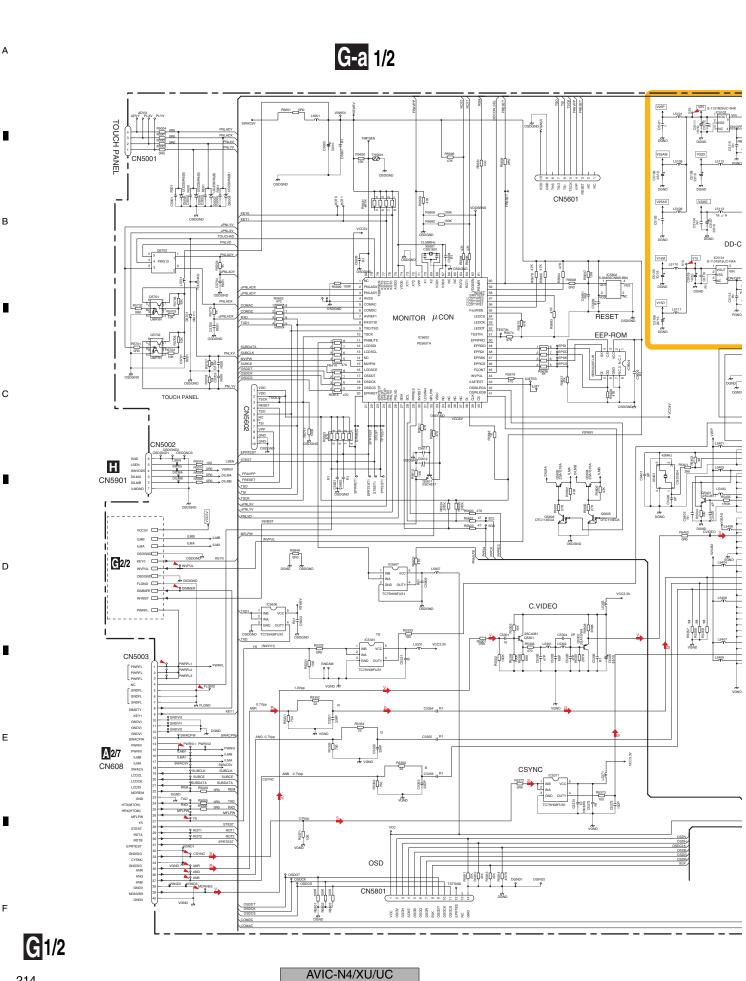




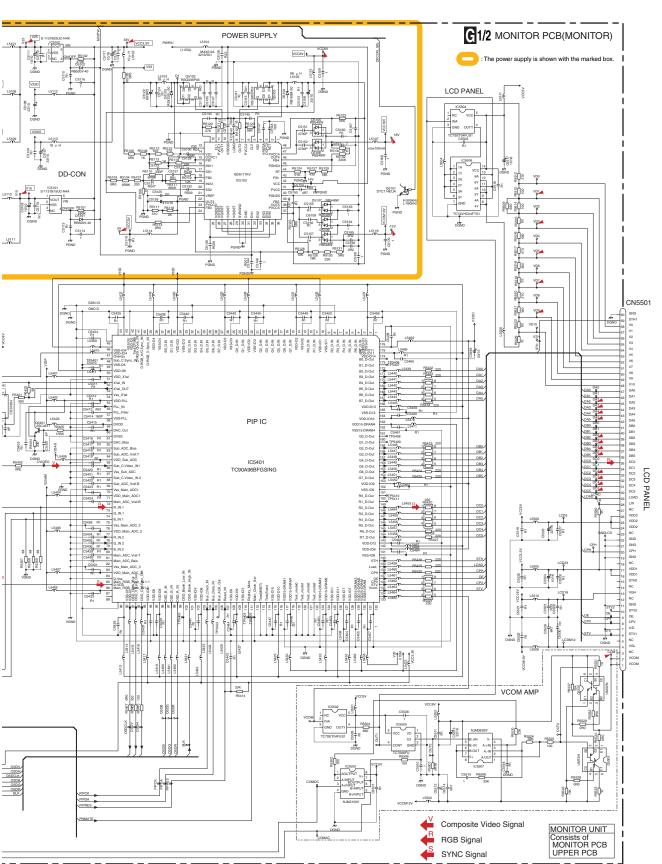
AVIC-N4/XU/UC

С D Ε AVIC-N4/XU/UC 213

# 10.13 MONITOR PCB(MONITOR)(GUIDE PAGE)



G-b 1/2

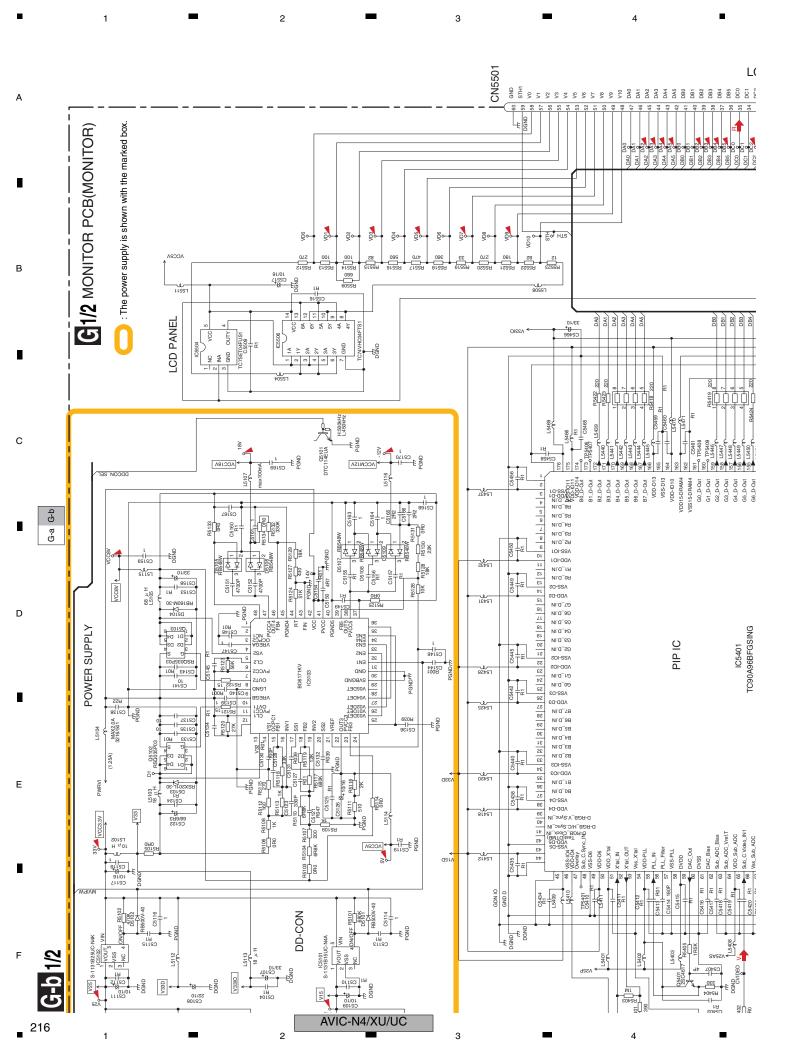


**G** 1/2

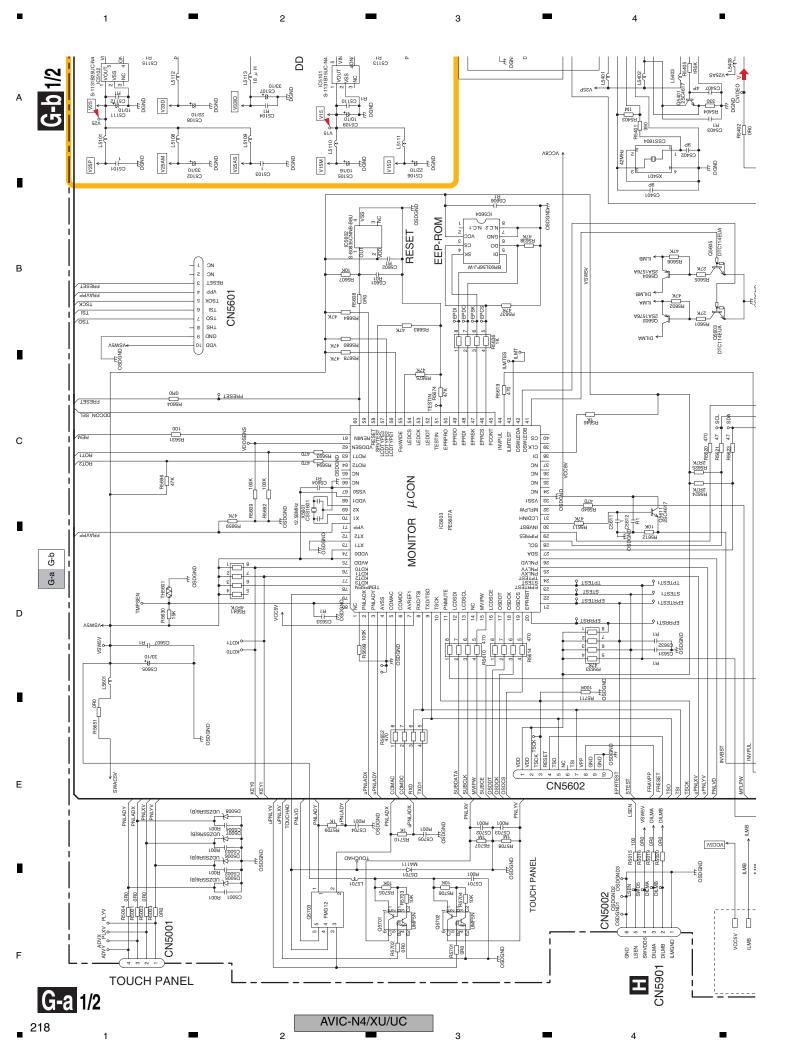
7

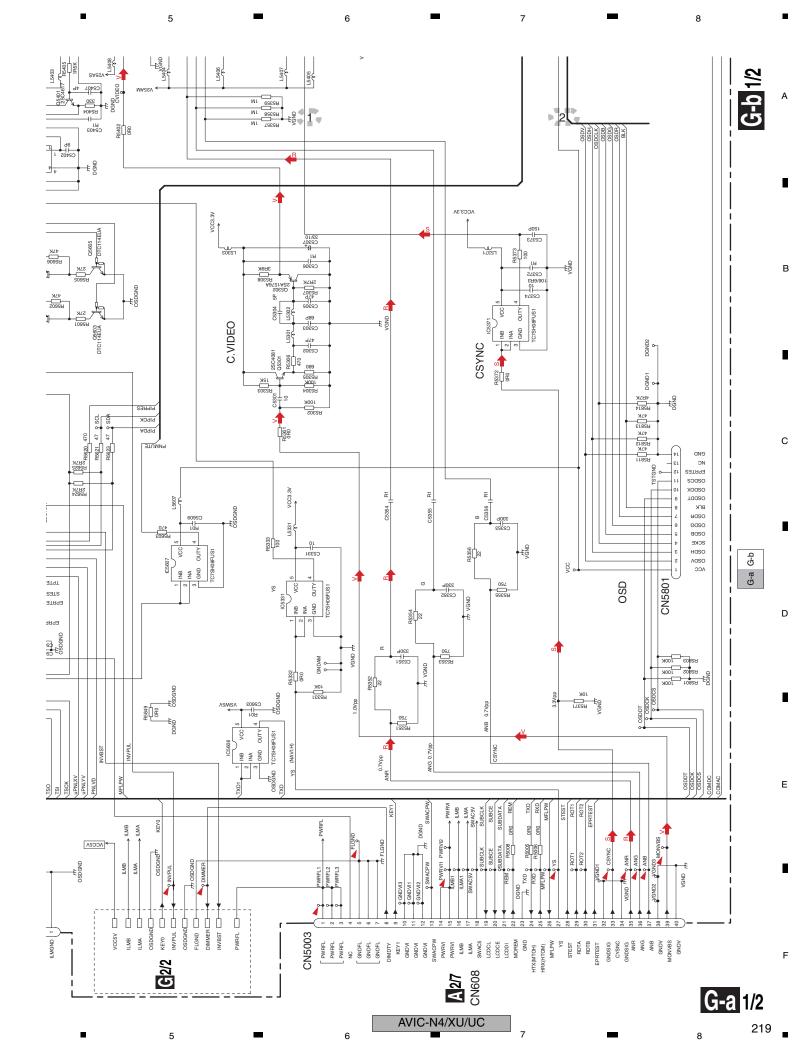
AVIC-N4/XU/UC

2

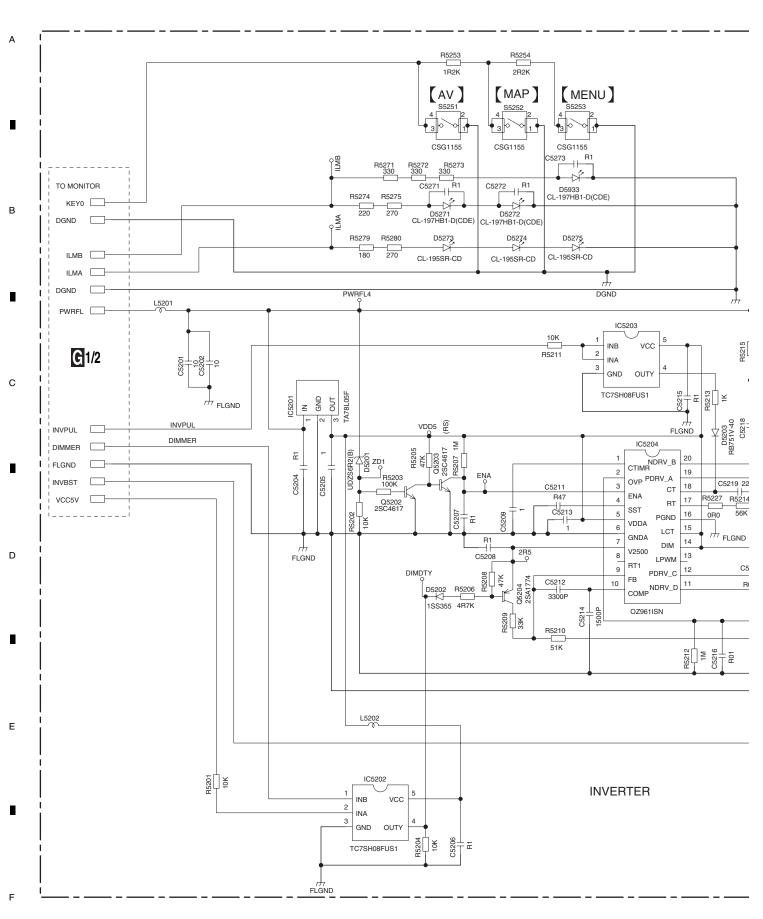


8





### 10.14 MONITOR PCB(INVERTER)



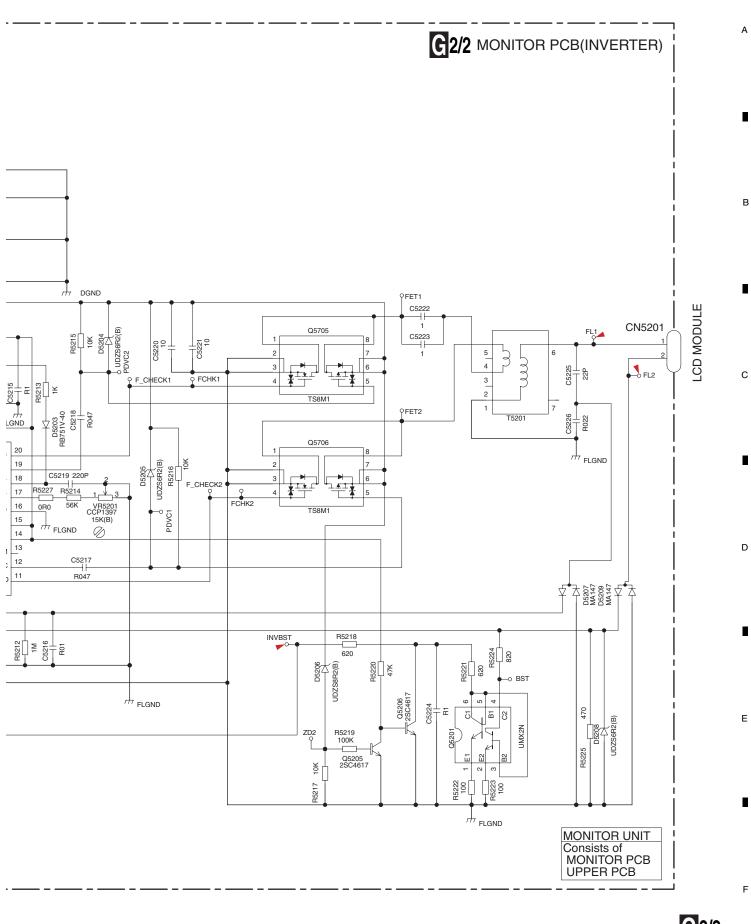
**G** 2/2

AVIC-N4/XU/UC

220

2

3



**G** 2/2

AVIC-N4/XU/UC

8

В

С

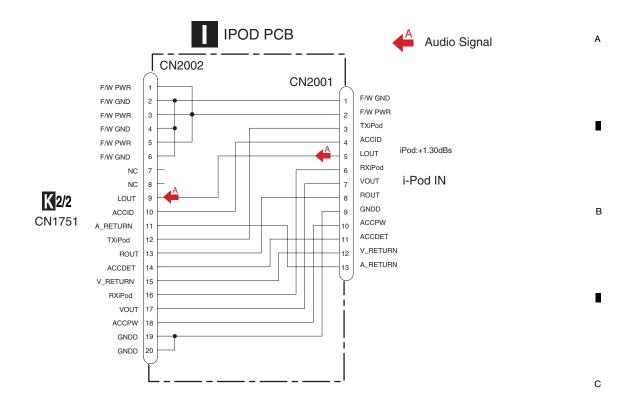
D

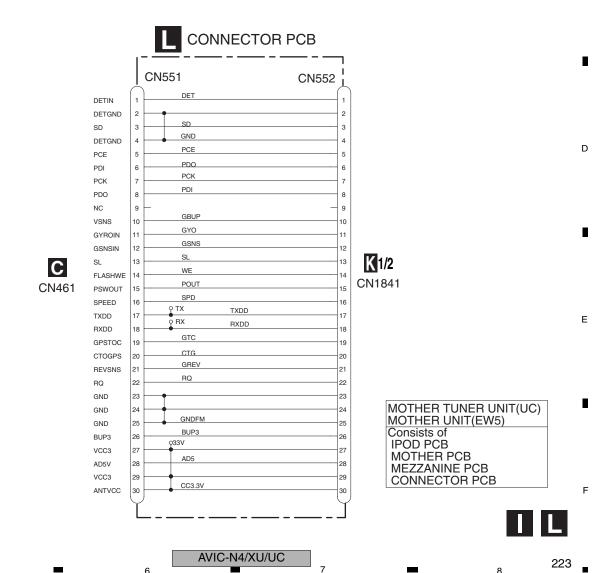
Е

H UPPER PCB CL-195SR-CD D5971 CL-197HB1-D(CDE) DISC ON/OFF D5982 CL-195SR-CD CL-197HB1-D(CDE) D5972 CN5901 ILMGND ILMGND R5971 150 DILMB **G** 1/2 DILMA R5972 ♀ SWVDD5 R5982 CN5002 SWVDD5 3 LSEN LSEN — DGND GND ILMGND ILMGND DGND MONITOR UNIT Consists of MONITOR PCB UPPER PCB

AVIC-N4/XU/UC

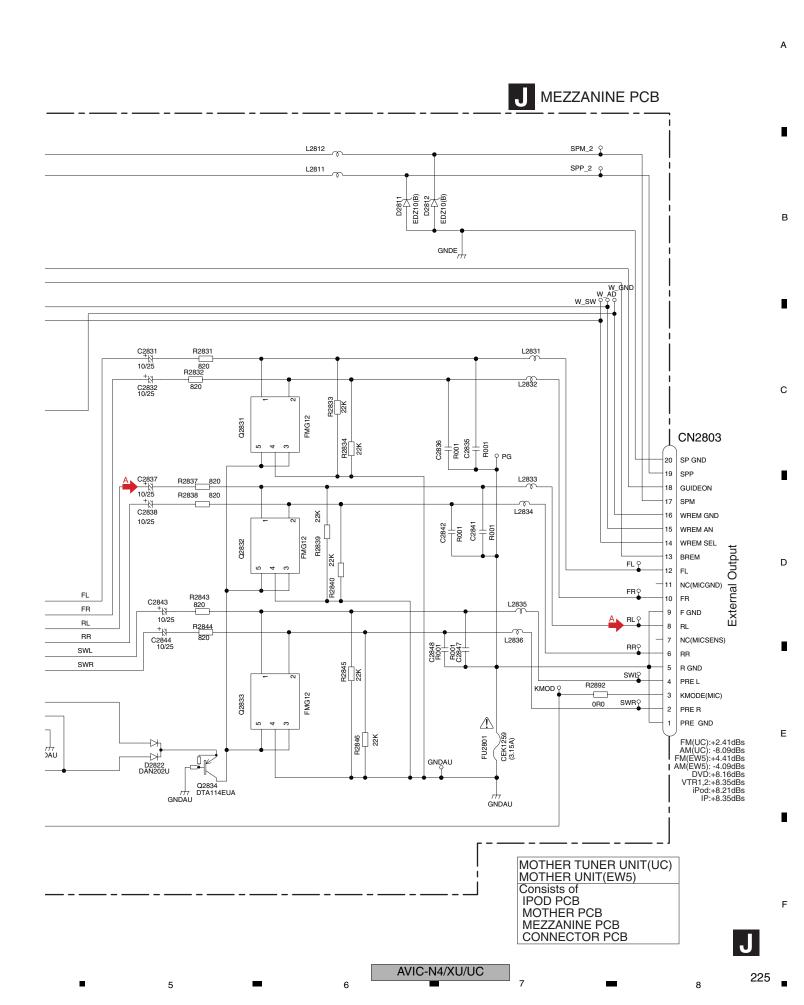
### 10.16 IPOD PCB AND CONNECTOR PCB



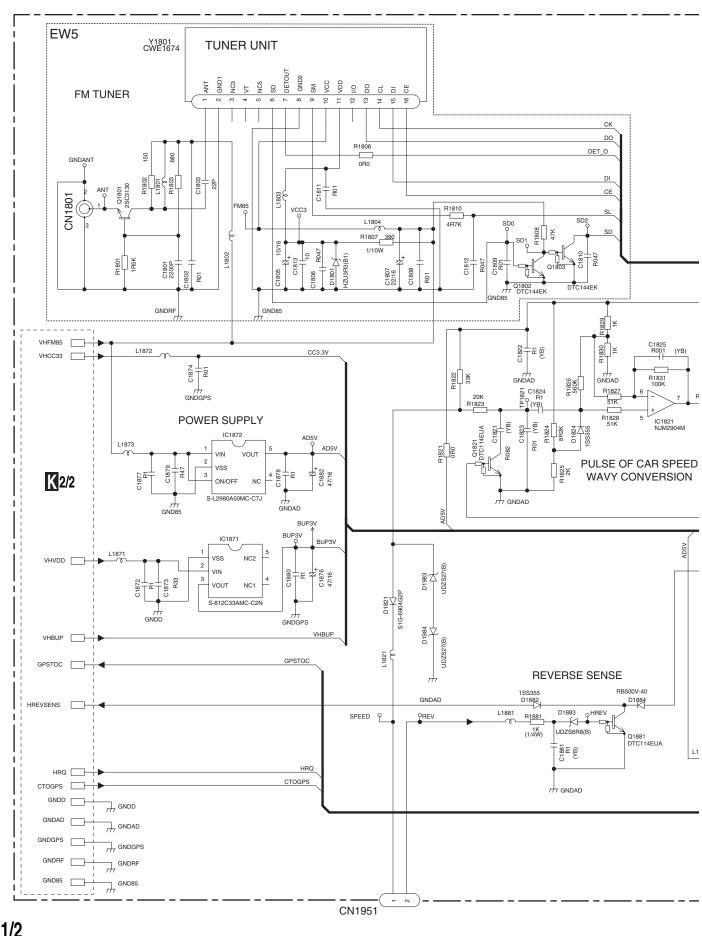


J

AVIC-N4/XU/UC

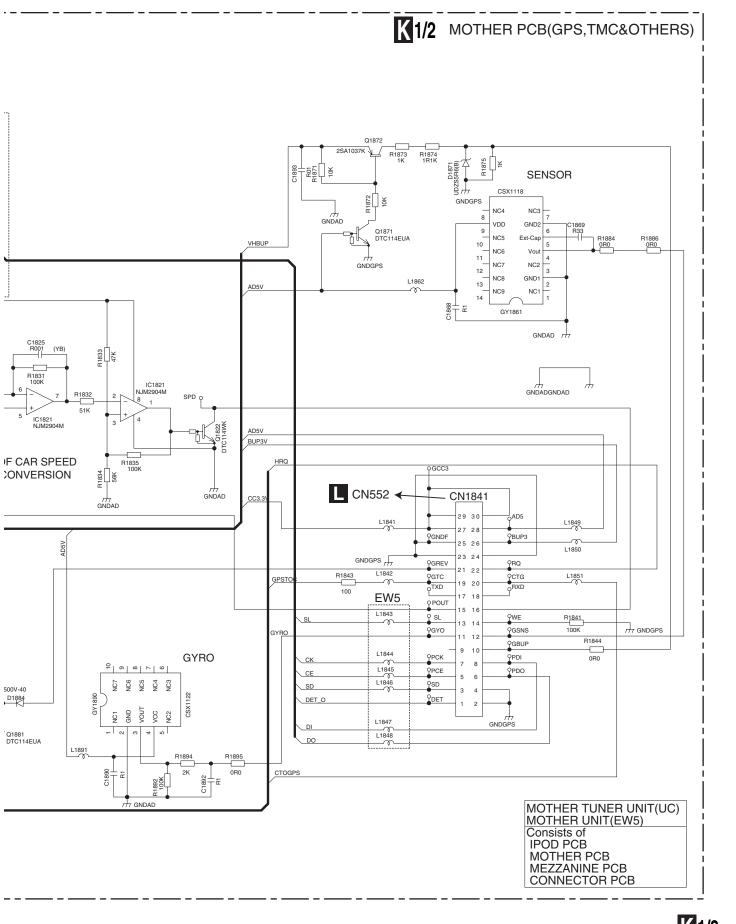


## 10.18 MOTHER PCB(GPS,TMC&OTHERS)



AVIC-N4/XU/UC

V II



**K** 1/2

AVIC-N4/XU/UC

227

В

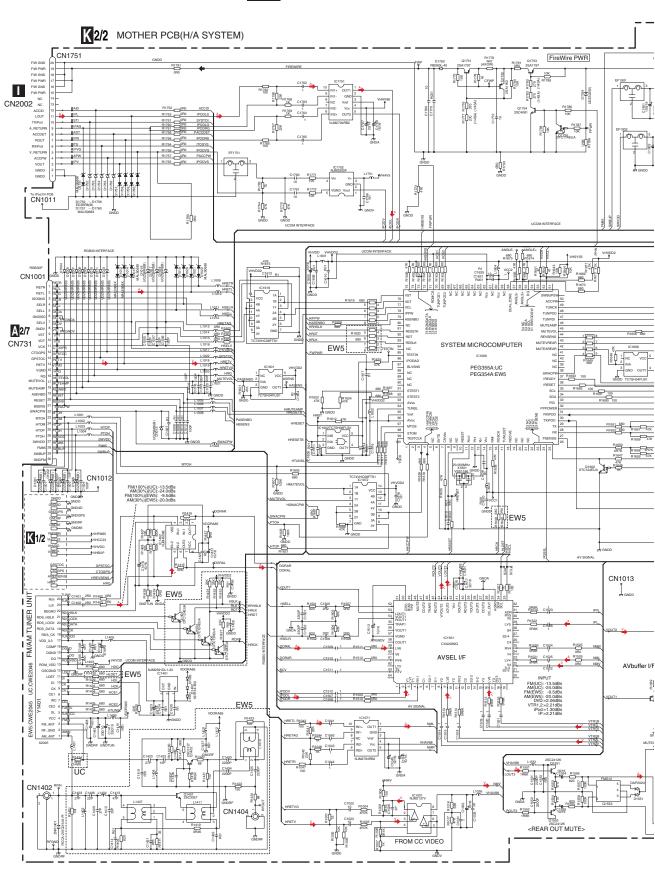
С

D

Е

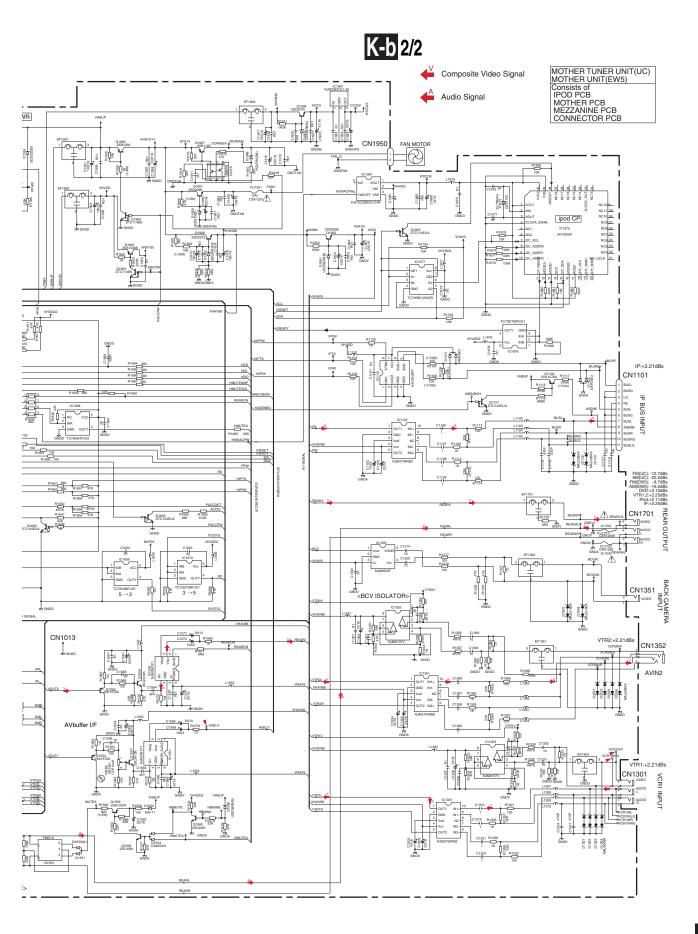
## 10.19 MOTHER PCB(H/A SYSTEM)(GUIDE PAGE)

K-a 2/2



**K**2/2

AVIC-N4/XU/UC



**K** 2/2

AVIC-N4/XU/UC

5

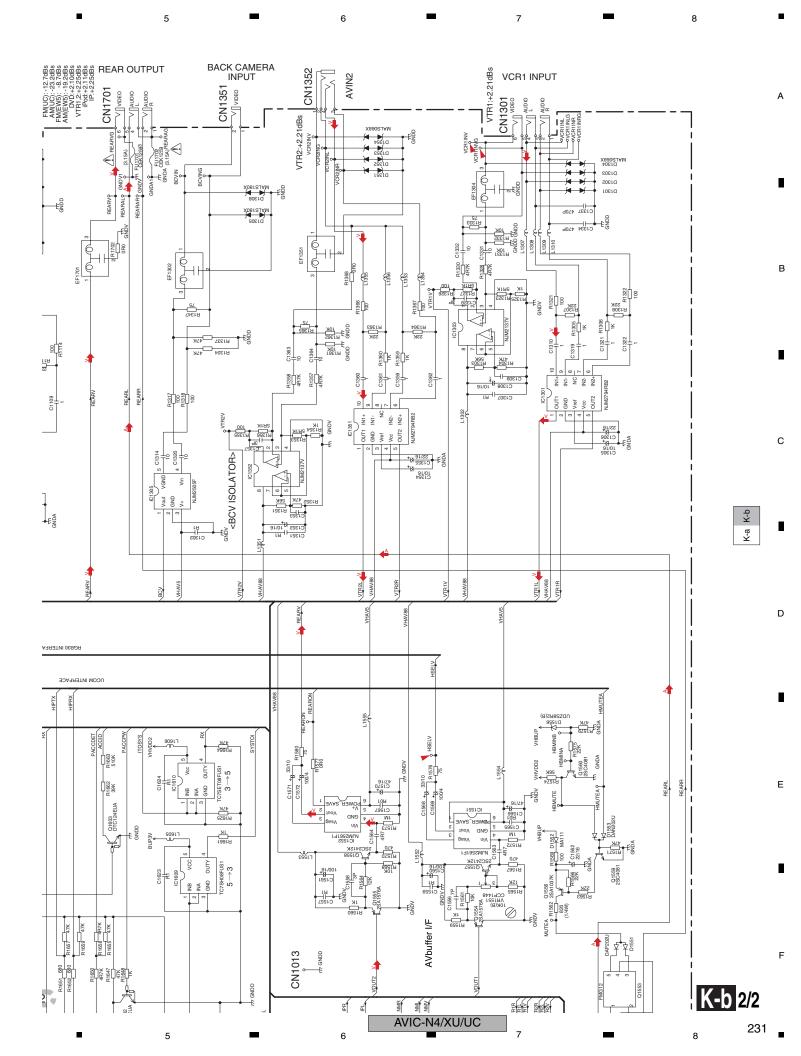
229

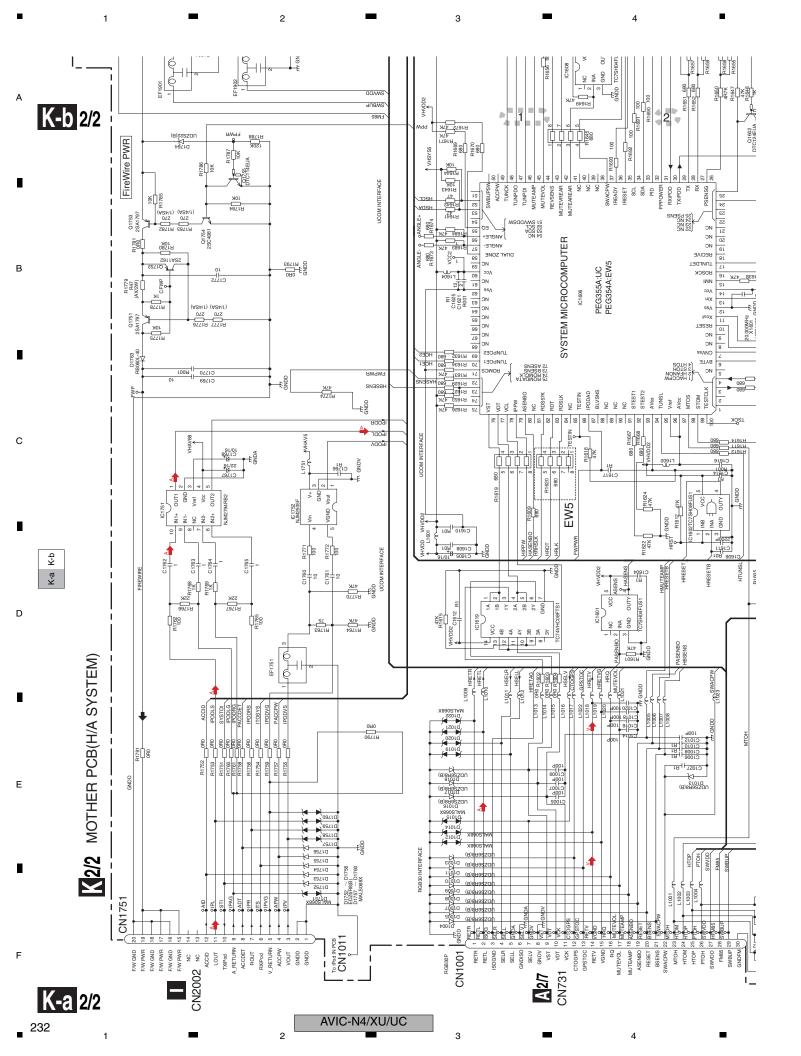
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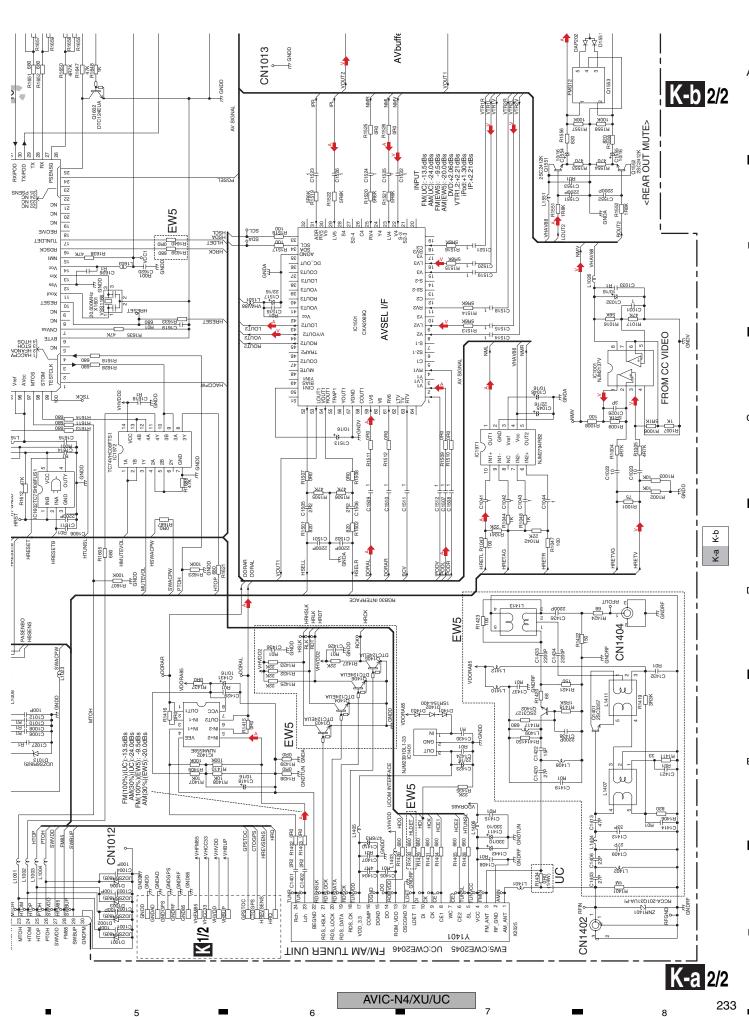
С

Е

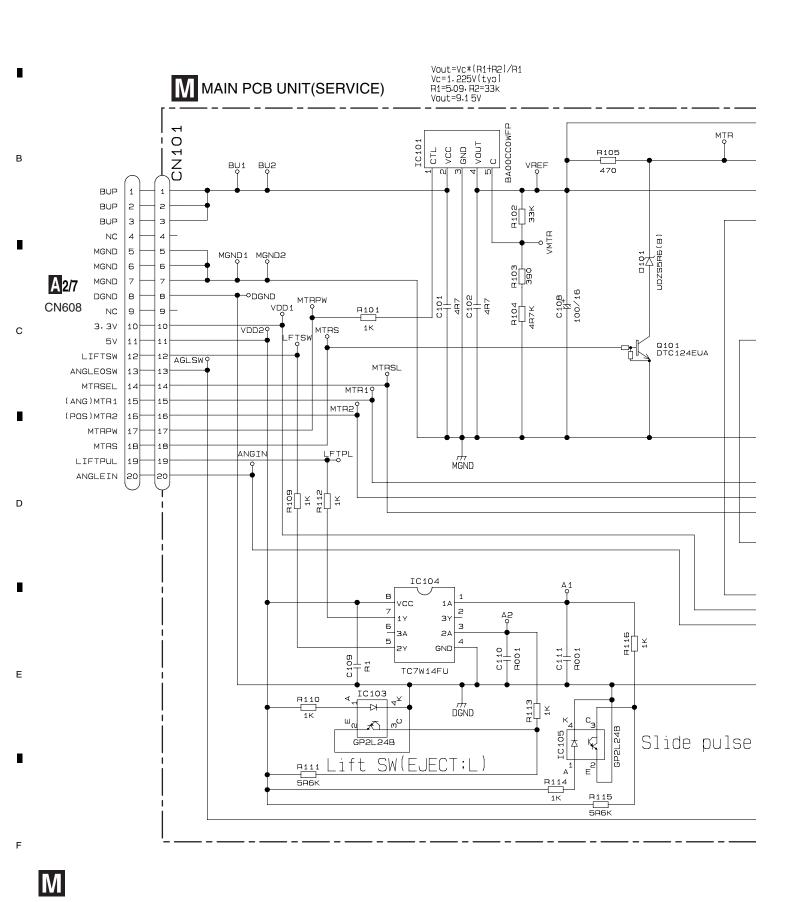
FM(UC):-12.7dBs AM(UC):-23.2dBs FM(EW5):-9.2dBs AM(EW5):-19.2dBs DVD:+2.10dBs VTR1.2+2.26dBs IPOd+2.11dBs IPOd+2.11dBs IP:+2.21dBs MOTHER TUNER UNIT(UC)
MOTHER UNIT(EW5)
Consists of
IPOD PCB
MOTHER PCB
MOTHER PCB
MEZZANINE PCB
CONNECTOR PCB CN1701 CN1101 IP BUS INPUT LG NC BUS-BUSG BUSL ASENB BUSR NC12280 NC11 28 NC10 28 NC3 27 NC3 25 NC7 25 NC6 24 NC5 23 CLK 21 NC13 3T NC16 38 NC16 34 NC16 34 NC17 36 2SA1576A R1117 2R2 1115 (1/10w) BUSL BUSR BE TBSBR 4074 STITO ŝф В L1104 L1102 Composite Video Signal GND INA INB CSS1735 X1675 32.768kHz 撒 VHVDD2 L1676 84910 **Audio Signal** £0,₹ V CE OFE S Q1953 DTC114EUA FAN MOTOR С GNDD GNDD žΞ NC NZ+ -sna OUT1 +sna DINS 00/ STBN 7 DOUT I CN1950 22/16 C1103 10/16 C1105 C1101 B1 NC VOUT 2 S-812C33BUC-C4N K-b 91/001 C1961 C1924 R01 IC1901 NJM2391DL1-C1922 B1 C1. DDZS2B AV SIGNAL D GNDTUN H01 C1813 100/16 L14 C1812 SCL IRESET SDA R1918 FANV IRESET IREADY SOL SDA 98910 0191A HDI HDO HMUTEAMP HMUTEA R1665 56K HSWACPW REARON HMUTEVOL 000/16 C1314 HZD9H(B3) HZD9H(B3) D1305 C1310 C1310 C1310 C1310 C1310 C1310 C1310 | | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 1/4W) Е Q1603 DTC124EUA C1808 100/16 C1802 B01 C1903 4) | 100P ESPA C1622 F0R 90610 100/16 R1657 47K OUT√ R1656 680 GND **勒集勒** K-b 2/2 1 2 AVIC-N4/XU/UC 230 3 4



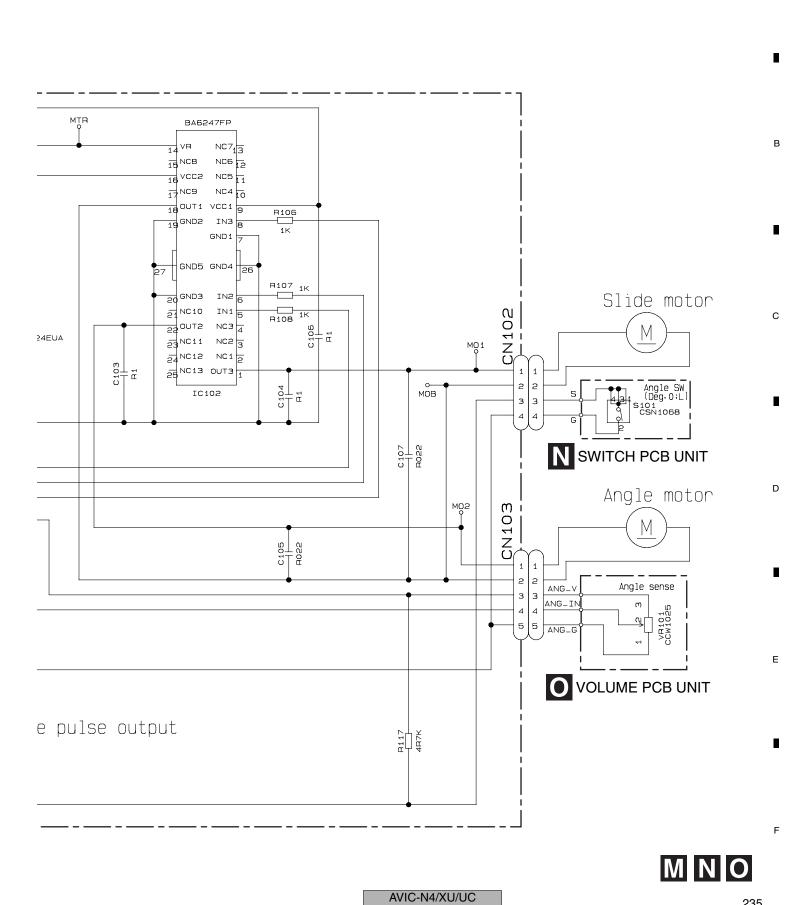




## 10.20 MAIN PCB UNIT(SERVICE), SWITCH PCB UNIT AND VOLUME PCB UNIT



AVIC-N4/XU/UC



#### DVD CORE UNIT

С

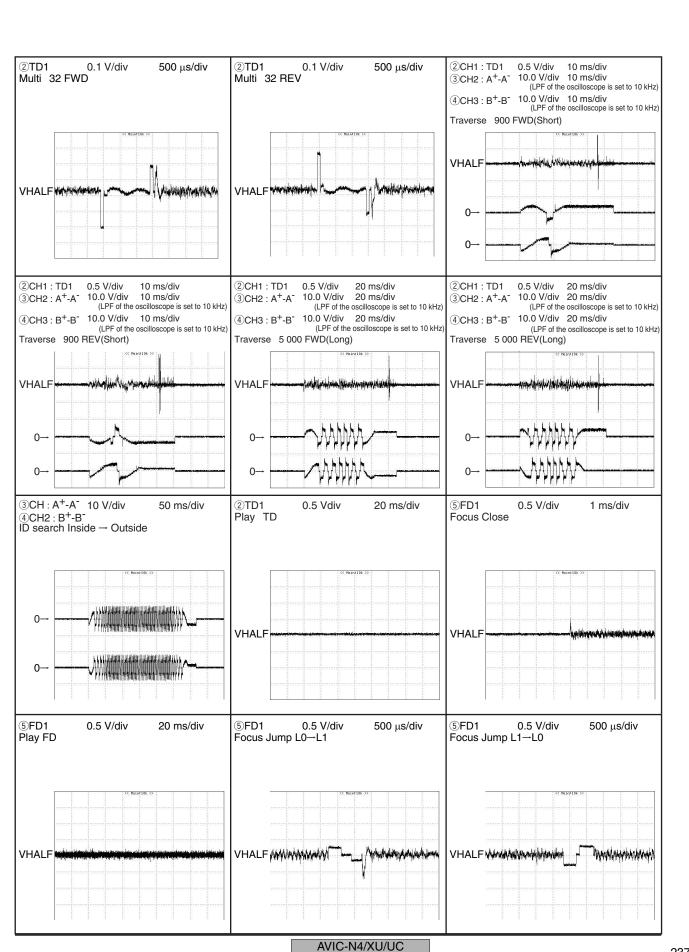
D

Е

Note:1. The encircled number denote measuring points in the circuit diagram. 2. Reference voltage: 1.65 V(TD1,FD1)(=VHALF) 2.2 V(RF)(=VREF)

In the waveform, it is seeing on the GND standard. Offset of 1.65 V or 2.2 V is put in.

①RF 0. CDRF(x 4 CLV) ①RF 0.2 V/div(AC) 50 ns/c CDRF(x 20 CAV Inner peripheral) ①RF 0.2 V/div(AC) 50 ns/div CDRF(x 20 CAV Peripheral) 1RF 0.2 V/div(AC)  $0.1 \mu\text{s/div}$ 0.2 V/div(AC) 50 ns/div ①RF 0.2 V/div(AC) 50 ns/div DVDRF(x 5 CAV Inner peripheral) ①RF 0.2 V/div(AC) 50 ns/div DVDRF(x 5 CAV Peripheral) 0.2 V/div(AC) 50 ns/div DVDRF(x 1.3 ZCAV) 0.5 V/div 100 μs/div ②TD1 0.1 V/div 100 μs/div ②TD1 0.1 V/div 100 μs/div Interval FWD DVDRF(BD1 mm) Interval REV VHALF WWW.~~/WWW. AVIC-N4/XU/UC



237

В

С

D

Е

# 11. PCB CONNECTION DIAGRAM 11.1 CC UNIT

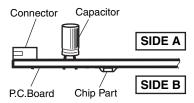
#### NOTE FOR PCB DIAGRAMS

The parts mounted on this PCB include all necessary parts for several destination.
 For further information for respective destinations, be sure to check with the schematic diagram.

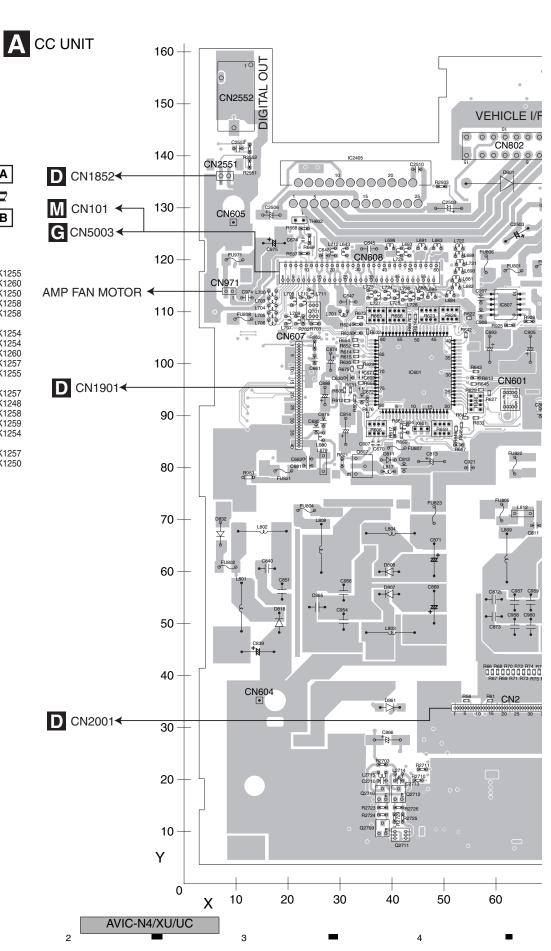
2. Viewpoint of PCB diagrams

В

D



	(A,63,118) Fuse 1.25 A (A,8,61) Fuse 4 A (A,69,119) Fuse 400 mA (A,24,72) Fuse 2.5 A (A,61,71) Fuse 2.5 A	CEK1255 CEK1260 CEK1250 CEK1258 CEK1258
♣FU 806 ♠FU 807 ♠FU 808 ♠FU 809 ♠FU 810	(A,58,119) Fuse 1 A (A,41,84) Fuse 1 A (A,11,109) Fuse 4 A (A,125,135) Fuse 2 A (A,103,140) Fuse 1.25 A	CEK1254 CEK1254 CEK1260 CEK1257 CEK1255
↑FU 811	(A,83,72) Fuse 2 A	CEK1257
↑FU 812	(A,117,141) Fuse 250 mA	CEK1248
↑FU 813	(A,83,47) Fuse 2.5 A	CEK1258
↑FU 821	(A,19,79) Fuse 3.15 A	CEK1259
↑FU 822	(A,64,80) Fuse 1 A	CEK1254
∱FU 823	(A,48,71) Fuse 2 A	CEK1257
∱FU 971	(A,10,120) Fuse 400 mA	CEK1250



SIDE A

→ **K** CN1001 ➤ NAVI FAN MOTOR TELE ATLAS [
/for DEBUG
CN692 VEHICLE I/F J CN2801 O O O O O O O CN802 C879 CN2601 CN824 CN601 CN614 CN615 R66 R68 R70 R72 R74 R76 R78 R80 R82 R61 CN2 CN100 **FRONT** 60 70 80 90 100 110 120 130 140 160 170 150 AVIC-N4/XU/UC

A

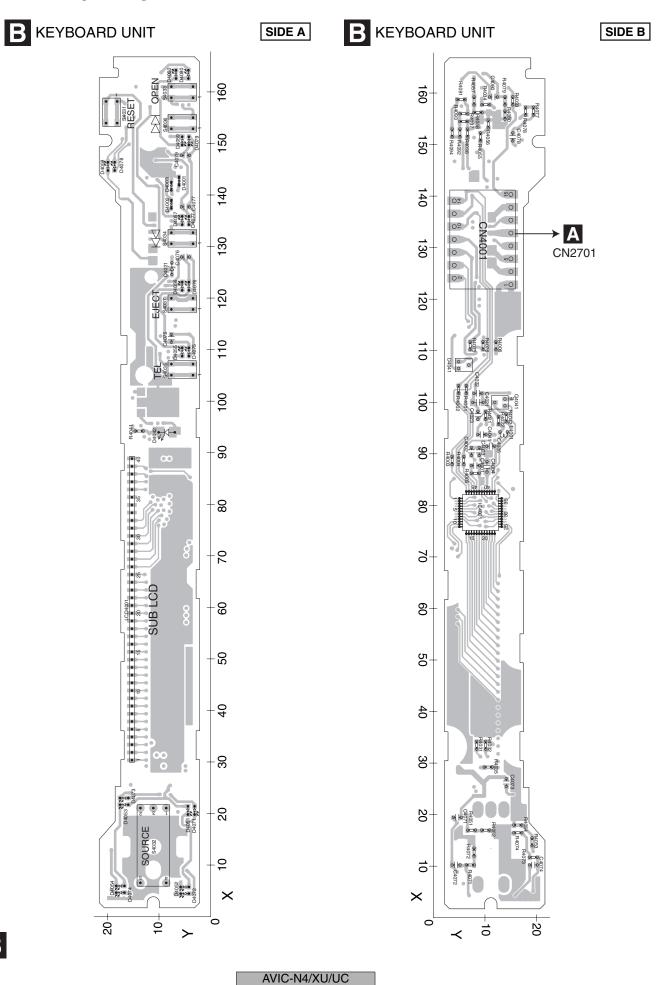
A CC UNIT

⚠FU 691 (B,165,147) Fuse 1 A CEK1254 ⚠FU 814 (B,61,107) Fuse 250 mA CEK1248

A

SIDE B + 160 - 150 384 **— 140** <del>+</del> 130 - 120 +110С **- 100** - 90 80 - 70 **- 60** - 50 → **B** CN4001 - 30 20 **- 10** 0 0 80 70 50 60 40 30 20 10 Χ AVIC-N4/XU/UC 5

### 11.2 KEYBOARD UNIT



242

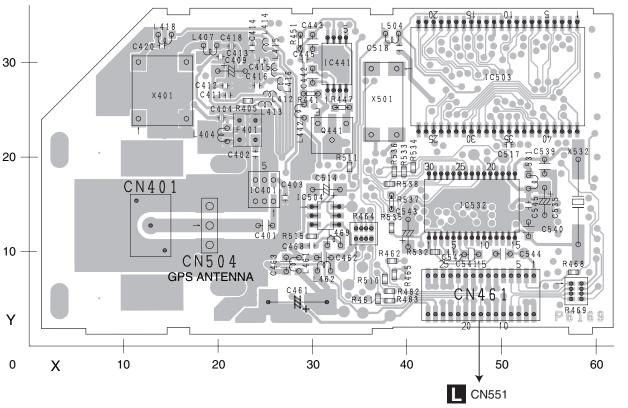
В

Е

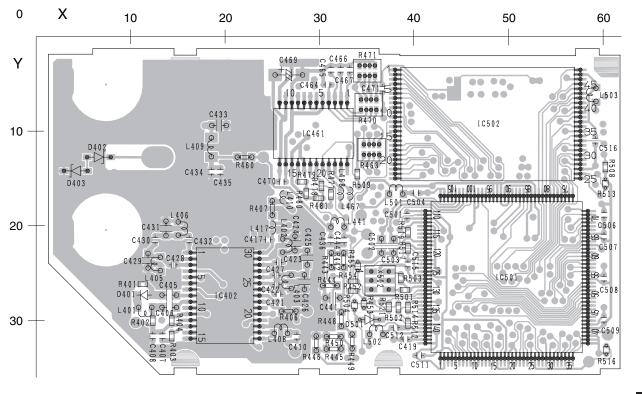
### **11.3 GPS UNIT**

C GPS UNIT

SIDE A



C GPS UNIT



C

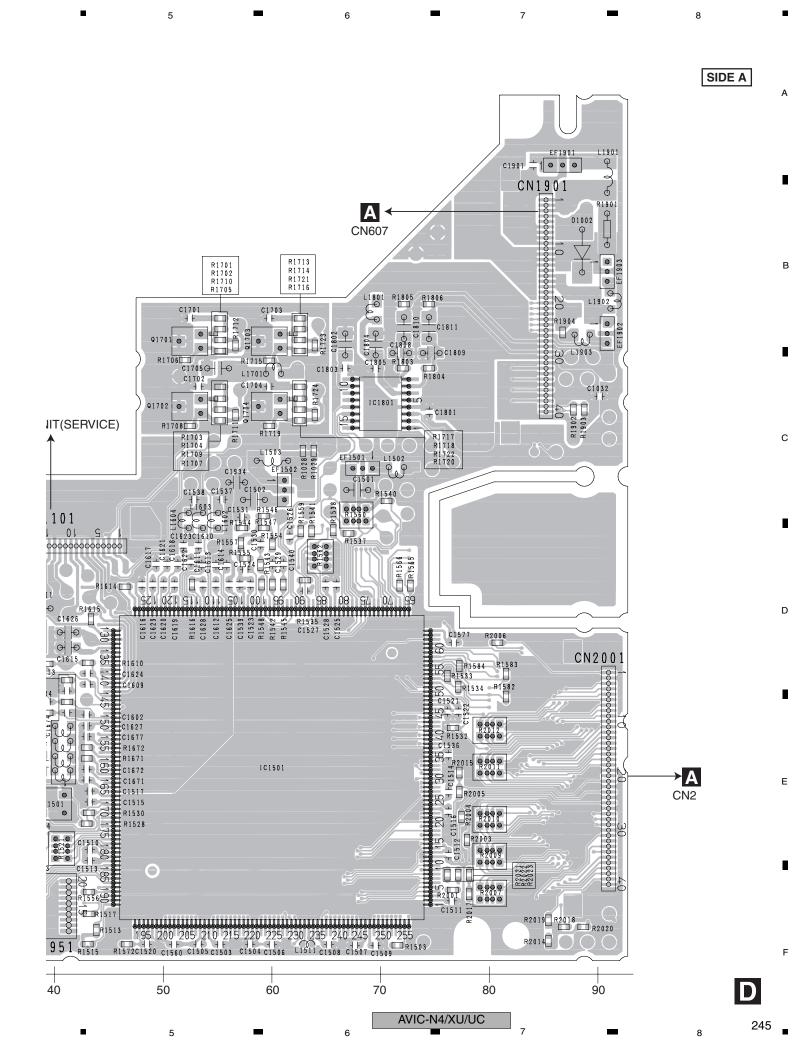
AVIC-N4/XU/UC

## 11.4 DVD CORE UNIT D DVD CORE UNIT 80 -70 -60 PICKUP UNIT(SERVICE) 50 M2,M3 **←** CN1101 2 10 12 50 52 40 CN1201 C1109 C1111 9999 F← 30 0 O M1 **←** 20 CN1851 IC1201 10 -CN1852 R1222 Υ R1223 🖂 CN1951 Α CN2551 0 10 30 Χ 20 40

AVIC-N4/XU/UC

D

Е



DVD CORE UNIT R1016 C1009 C1008 Q1001 Q1003 D1001 L1001 O R1026 R1027 11004 C1021 Q Q C1025 — C1019 Q C1020 C1003 C1025 IC1001 R1005 C1103 R1008 R1002 P1101 Q1101 C1022 R1011

R1401

C1401

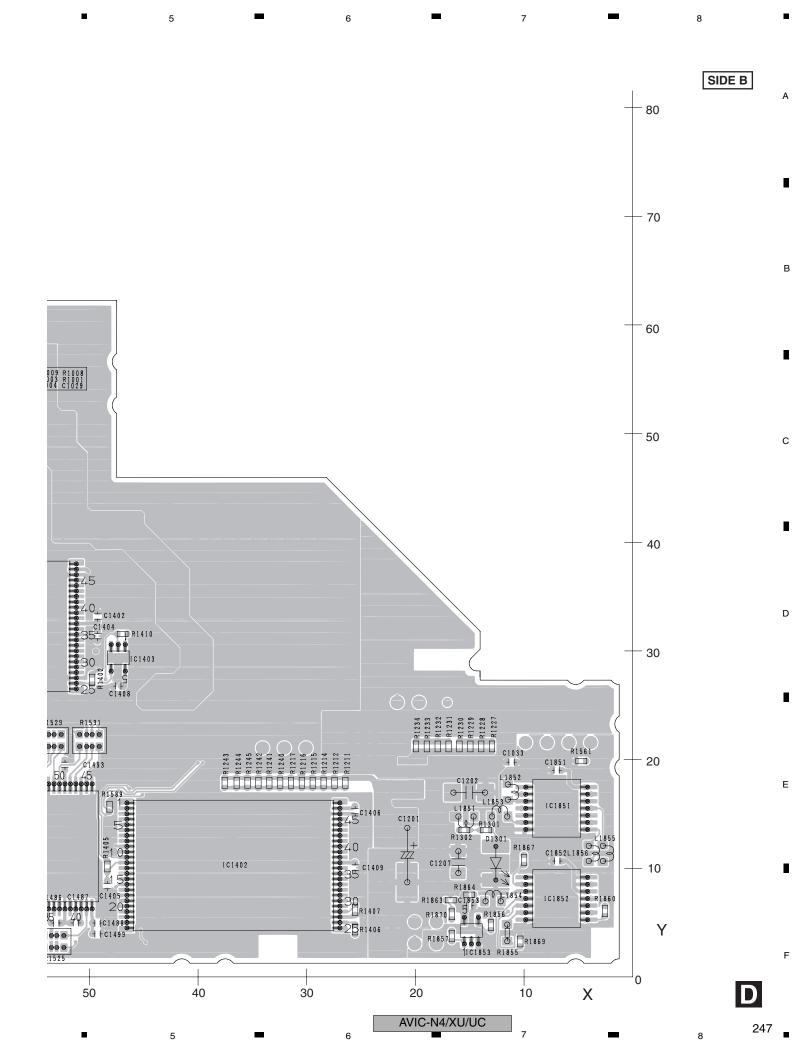
L1482

C1491

C1407

OHO

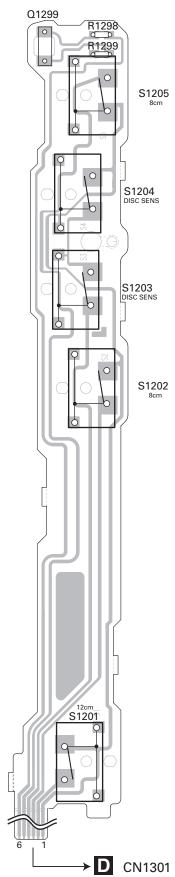
H IC1401 IC1301 910 RRRR 30054 0000 0000 9 99 9 CN1301 IC1481 **目** ← 3Z 0E SE 07 S7 c1 0000 0000 0000 0000 0000 0000 90 80 70 60 50 AVIC-N4/XU/UC

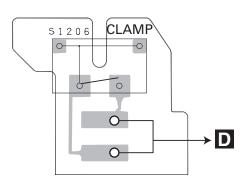


## 11.5 COMPOUND UNIT(A) AND COMPOUND UNIT(B)

E COMPOUND UNIT(A)





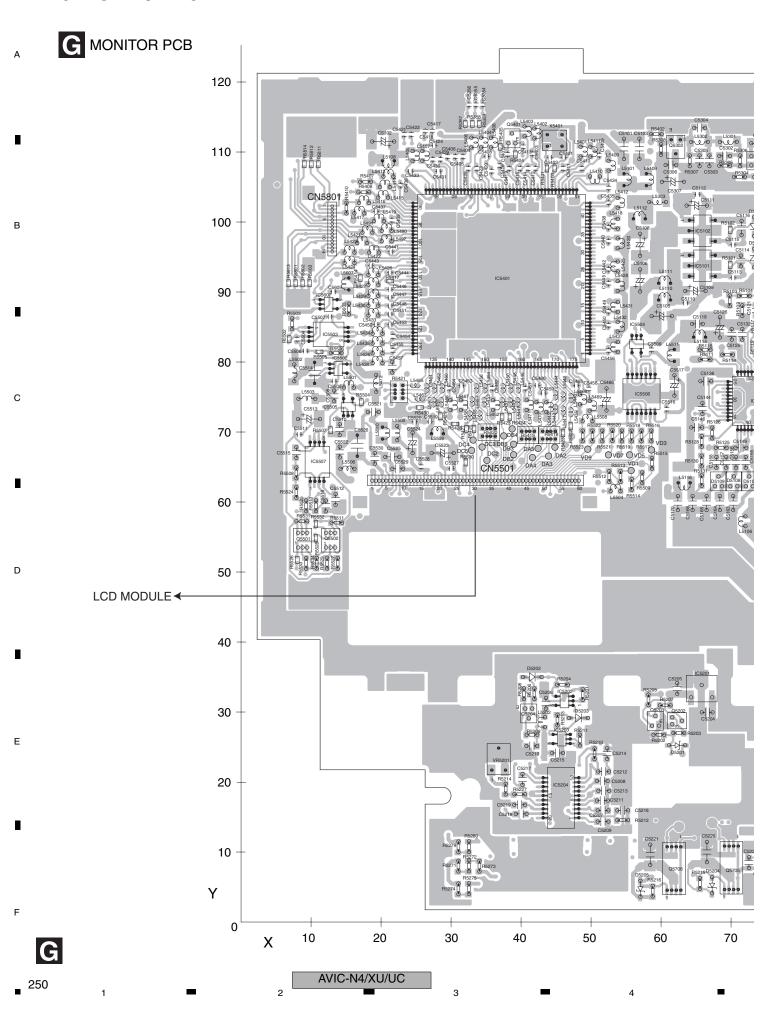


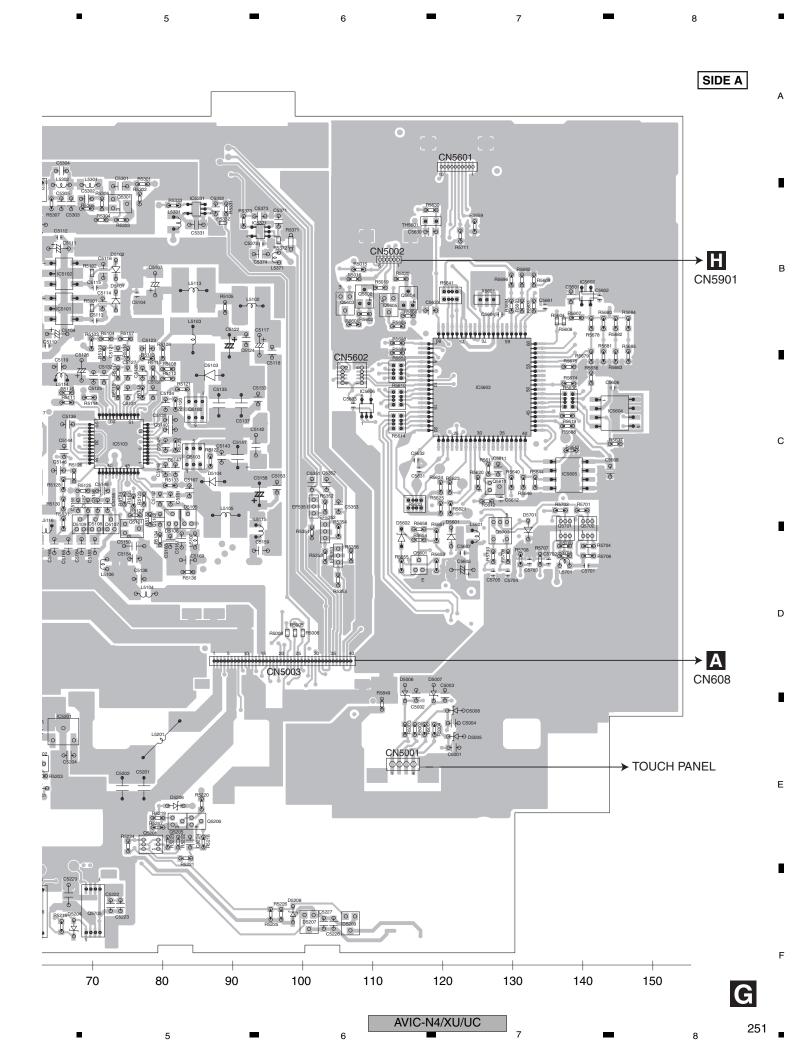
E|F

AVIC-N4/XU/UC

В С D Е AVIC-N4/XU/UC 249

### 11.6 MONITOR PCB

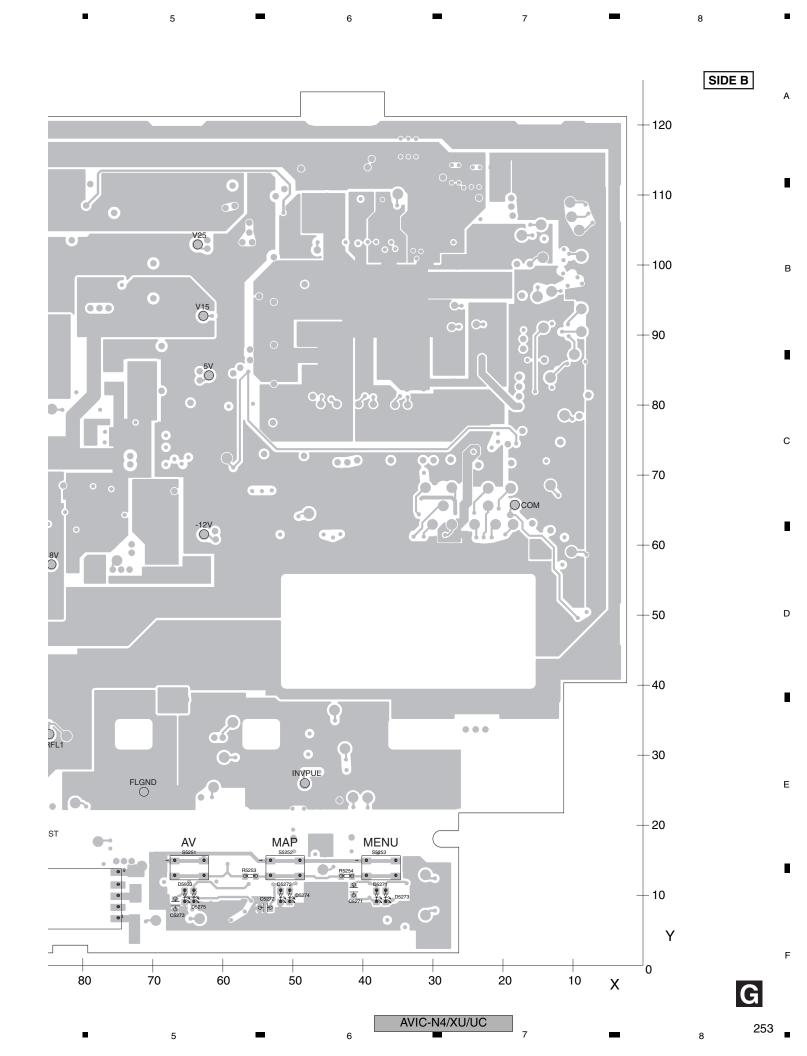




**G** MONITOR PCB **O** 00 VCC8V 18V PWRVI1 DIMMER PWRFL1 INVBST CN5201 FL1 LCD MODULE ← 120 80 150 140 130 100 110 90 AVIC-N4/XU/UC

D

Е

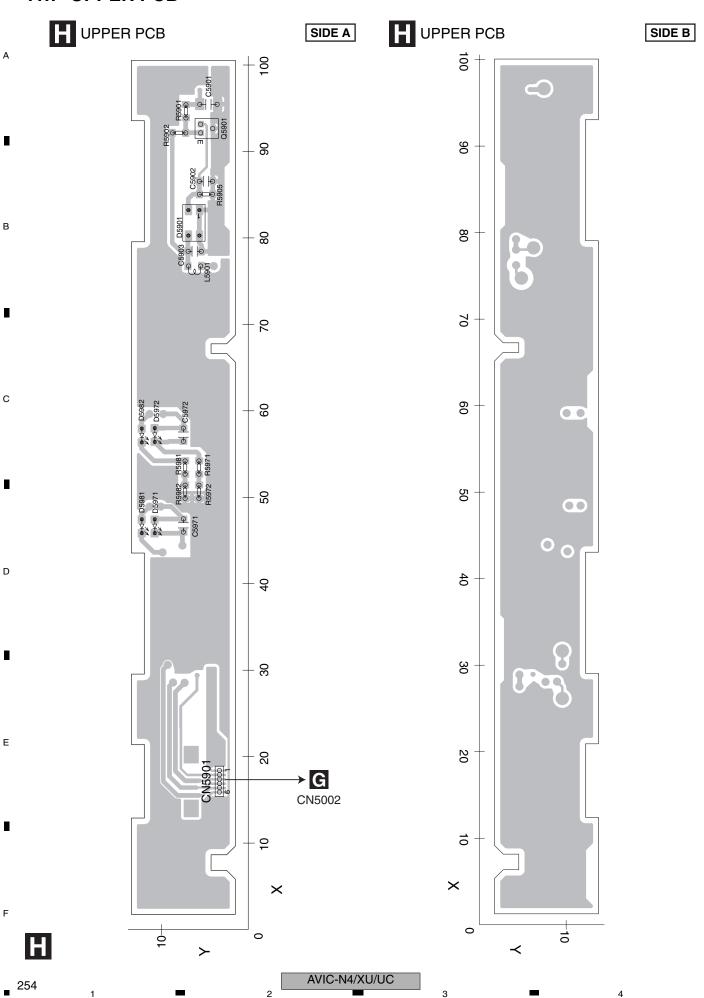


# 11.7 UPPER PCB

С

D

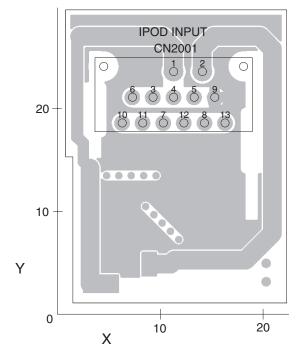
Е



# 11.8 IPOD PCB

IPOD PCB

SIDE A



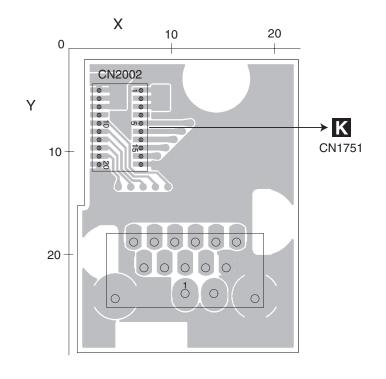
IPOD PCB

SIDE B

С

D

Ε

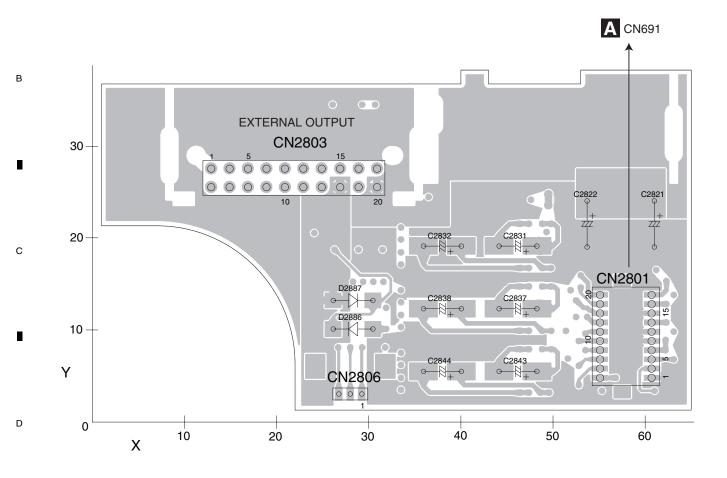


AVIC-N4/XU/UC

#### 11.9 MEZZANINE PCB

J MEZZANINE PCB

SIDE A

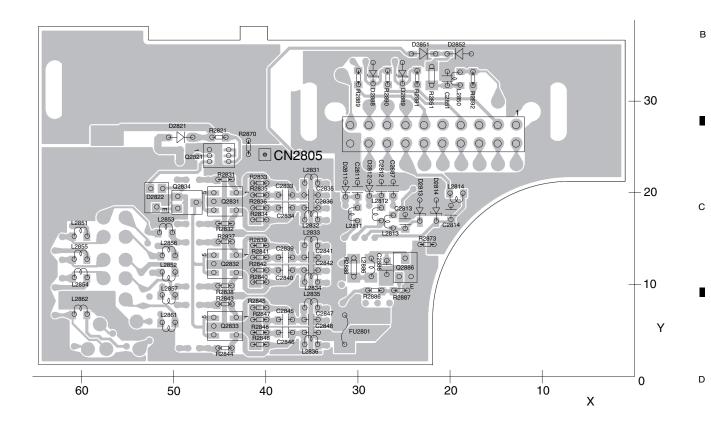


J

AVIC-N4/XU/UC

) 1 ■ J MEZZANINE PCB

SIDE B

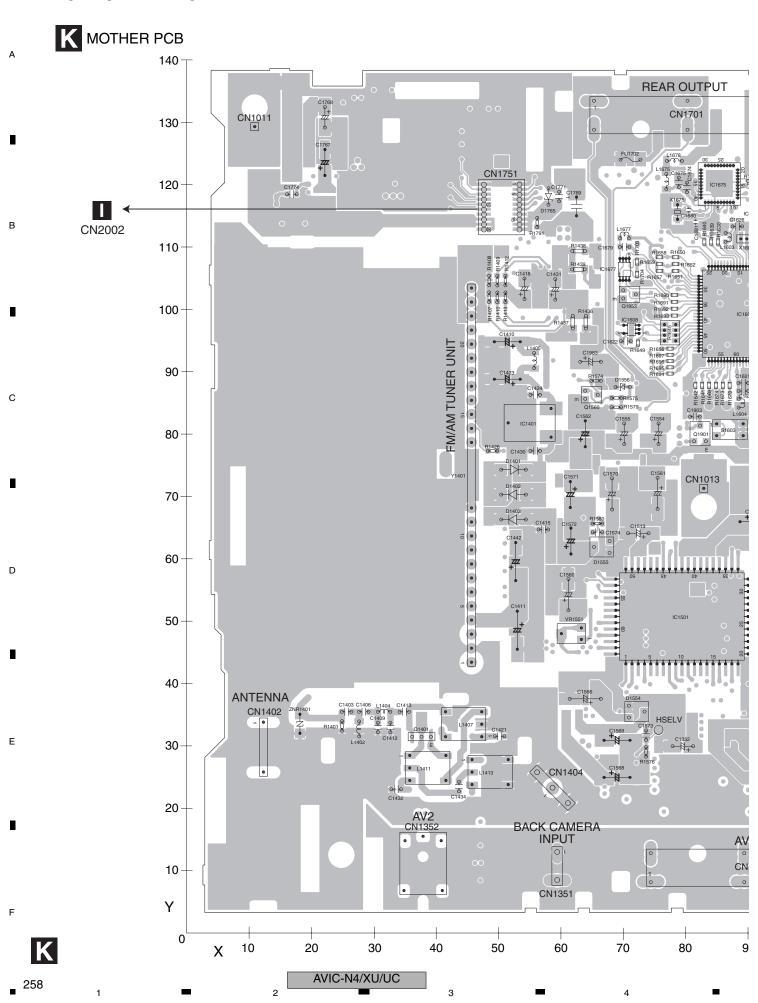


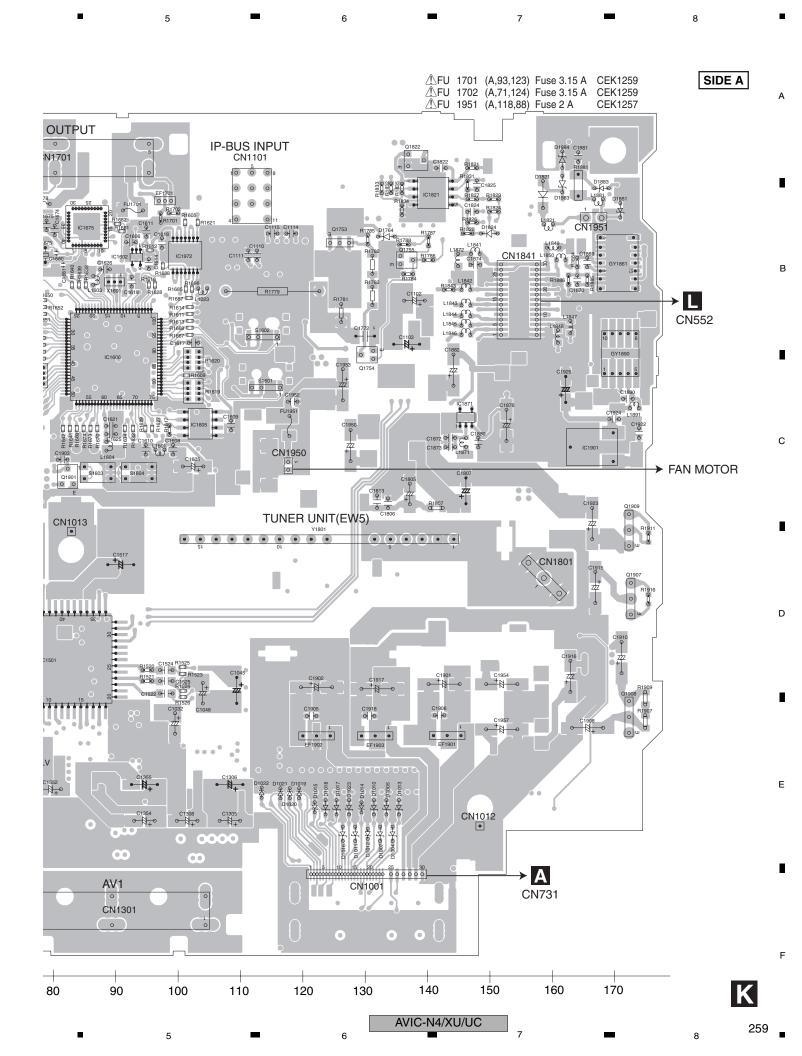
J

Ε

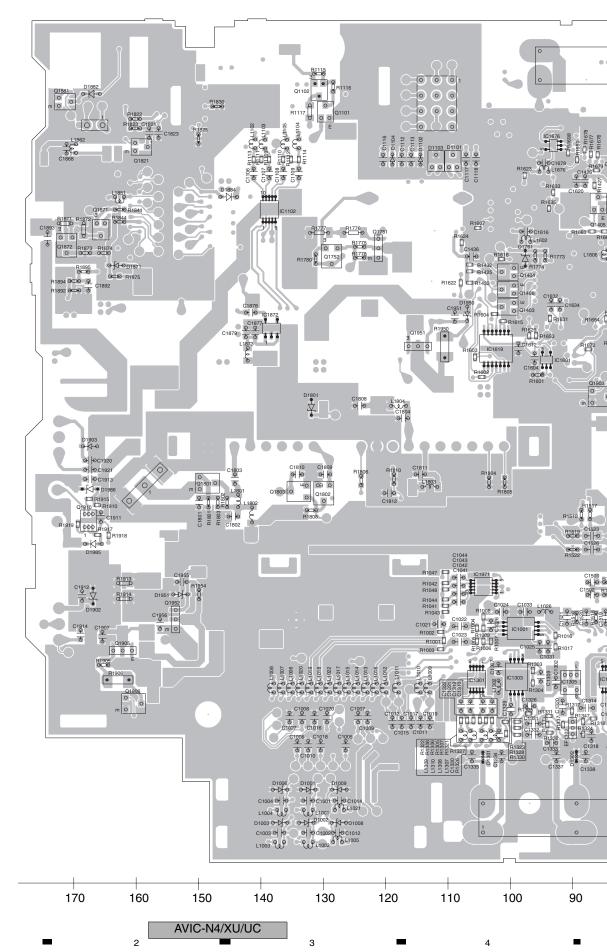
AVIC-N4/XU/UC

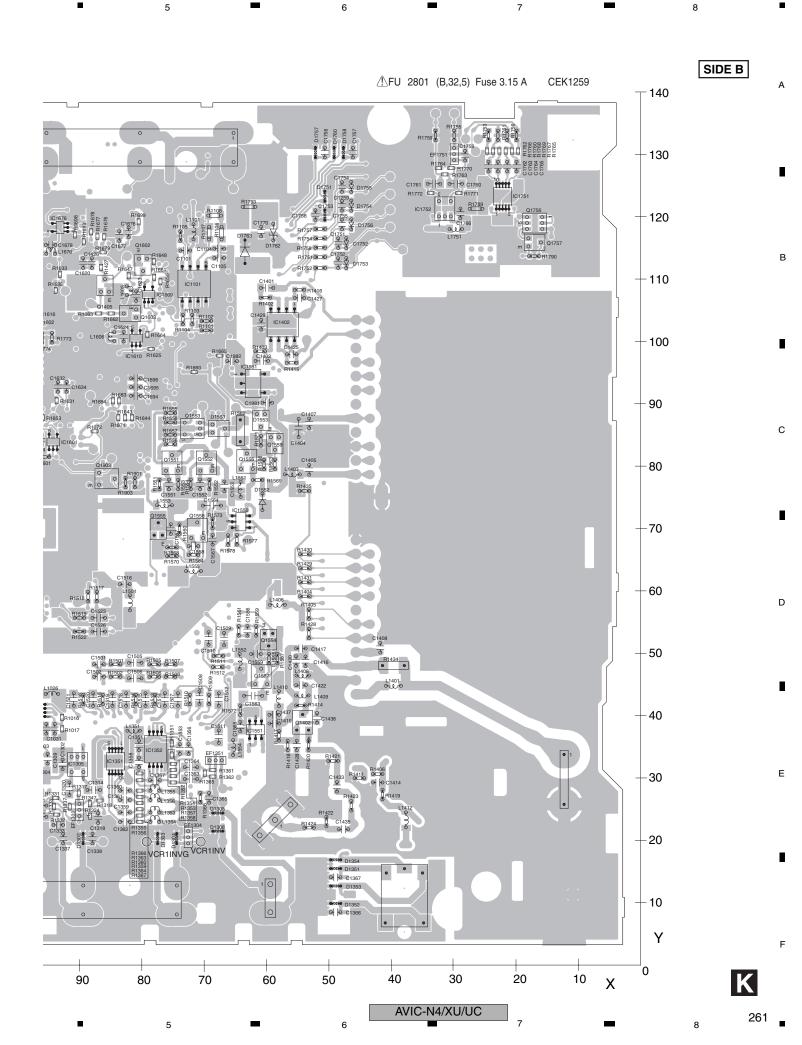
#### 11.10 MOTHER PCB





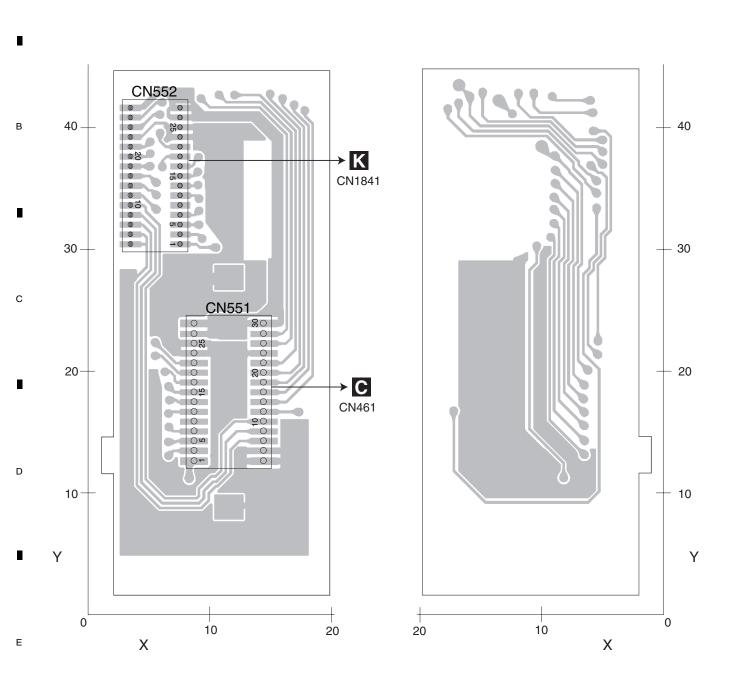
K MOTHER PCB





#### 11.11 CONNECTOR PCB





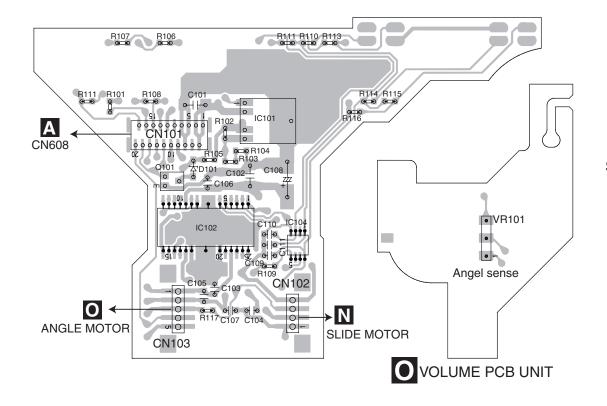
L

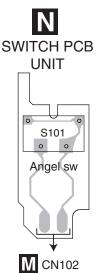
262 AVIC-N4/XU/UC

## 11.12 MAIN PCB UNIT(SERVICE), SWITCH PCB UNIT AND VOLUME PCB UNIT

MAIN PCB UNIT(SERVICE)







MAIN PCB UNIT (SERVICE)

VOLUME PCB UNIT

(N103)

IC103

IC105

SIDE B

D

MNO

AVIC-N4/XU/UC

### 12. ELECTRICAL PARTS LIST

#### *NOTE:*

- Parts whose parts numbers are omitted are subject to being not supplied.
- The part numbers shown below indicate chip components.

Chip Resistor

 $RS1/\bigcirc S\bigcirc\bigcirc\bigcirc J, RS1/\bigcirc\bigcirc S\bigcirc\bigcirc J$ 

Chip Capacitor (except for CQS.....)

*CKS....., CCS....., CSZS.....* 

• The !\text{\text{!}} mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.

Circuit Symbol and No

- Meaning of the figures and others in the parentheses in the parts list.
- Example) IC 301 is on the point (face A, 91 of x-axis, and 111 of y-axis) of the corresponding PC board.

IC 301 (A, 91, 111) IC NJM2068V

	Circuit Symbol and No. Part No.	Circ	cuit Symbol and No.	Part No.
I	Unit Number: CWN2308(UC)	Α		
	Unit Number: CWN2309(EW5)		mber: CWN2308	(UC)
	Unit Name : CC Unit		mber: CWN2309	
		Unit Na	me : CC Unit	
С	Unit Number:			
O	Unit Name : Keyboard Unit	MISCELL	_ANEOUS	
	Unit Number: CWX3533(UC)	IC 1	(B,138,30) IC	K4S561632E-TL75
	Unit Number: CWX3534(EW5)	IC 2	(A,141,51) IC	UPD705103GM-180S1
	` ,	IC 3 IC 4	(B,154,30) IC (A,157,21) IC	HY57V561620FLTP-H TC7SZ08FU
	Unit Name : GPS Unit	IC 5	(B,146,55) IC	PD6336C
	Unit Number: CWN2304	IC 101	(A,135,18) IC	TC74LCX08FTS1
	Unit Name : Monitor Unit	IC 102	(A,136,11) IC	TC7SH04FUS1
		IC 103	(A,134,28) IC	TC74LCX245FTS1
	Unit Number: CWN2310(UC)	IC 104 IC 105	(A,143,28) IC (A,151,28) IC	TC74LCX245FTS1 TC74LCX245FTS1
D	Unit Name : Mother Tuner Unit(UC)	10 103	(A, 131,20) 10	10/420/243/131
	Unit Number: CWN2311(EW5)	IC 106	(A,159,28) IC	TC74LCX245FTS1
	· · ·	IC 107 IC 108	(A,162,38) IC (A,162,46) IC	TC74LCX541FTS1 TC74LCX541FTS1
	Unit Name : Mother Unit(EW5)	IC 109	(A,162,54) IC	TC74LCX541FTS1
	Unit Number: CXX2316	IC 110	(B,117,40) IC(UC)	PEH155A8
-	Unit Name : Main PCB Unit(SERVICE)		(B,117,40) IC(EW5)	PEH153A8
	,	IC 111	(B,117,24) IC(UC)	PEH156A8
	Unit Number: CZW5029		(B,117,24) IC(EW5)	PEH154A8
	Unit Name : Switch PCB Unit	IC 112 IC 113	(B,106,62) IC (B,118,57) IC	TC7SH00FUS1 M5M5V216ATP-70HI
E		IC 114	(B,106,59) IC	TC7SH08FUS1
_	Unit Number: CZW5028	IC 201	(A,104,25) IC	MB86291APFVS-G-DL
	Unit Name : Volume PCB Unit	IC 301	(A,144,19) IC	M51957BFP
	Unit Number: CWX3401	IC 302	(A,141,11) IC	TC7SH08FUS1
	Unit Name . DVD Care Unit	IC 304	(A,108,53) IC	AK4388VT
	Unit Name : DVD Core Unit	IC 309 IC 601	(A,121,49) IC (A,44,98) IC	TC7SH08FUS1 PEG356A
	Unit Number: CWX3154		(7,44,30)	1 LG030A
	Unit Name : Compound Unit(A)	IC 602	(B,43,98) IC	TC74VHCT08AFTS1
		IC 603 IC 604	(B,52,100) IC (A,125,88) IC	TC7SH08FUS1 TC7SH08FUS1
	Unit Number: CWX3394	IC 605	(A,130,88) IC	TC7SH08FUS1
F	Unit Name : Compound Unit(B)	IC 608	(B,53,104) IC	TC7SH08FUS1
		IC 609	(B,60,93) IC	TC7S32FU
		IC 611	(B,43,103) IC	TC7S04FU

Circu	uit Symbol and No.	Part No.		Circu	it Symbol	and No.	Part No.		
IC 612	(B,49,91) IC	S-80840CNMC-E	8Z Q 8		(B,66,106) T		2SB1184F5		
IC 613	(B,47,103) IC	TC7SH00FUS1	Q 8		(B,29,86) Tr		UMF23N		
IC 691	(B,162,140) IC	UPD4721GSS1	Q 8				RSQ030P03		
10 091	(B,162,140) IC	0FD4721G331	Qo	32	(A,115,137)	FEI	nodusurus		۸
10.754	(D.00.101) IO	OVATOTEM	0.0		(D 00 407) T		0041707		Α
IC 751	(B,96,101) IC	CXA1645M	Q 8		(B,88,137) T		2SA1797		
IC 752	(B,115,121) IC	NJM2137V	Q 8			hip Transistor			
IC 753	(B,87,117) IC	NJM2246M	Q 8		(B,116,136)		2SC4081		
IC 754	(B,78,119) IC	NJM2561F1	Q 8		(B,39,118) T		2SC4081		
IC 755	(B,106,115) IC	NJM2561F1	Q 8	38	(A,112,134)	Digital Transisto	or DTC144EUA		
									_
IC 756	(B,98,116) IC	NJM2235V	Q 8	340	(B,67,136) T	ransistor	2SA1576A		
IC 757	(B,86,98) L-MOS And Gate		Q 8		(B,65,94) Tr		2SD1767		
IC 758	(B,84,92) IC	TC7SZ08FU	Q 9		(B,62,153) T		2SA1576A		
IC 803	(B,31,58) IC	TPS5102IDBT	Q 9		,	nip Transistor	DTC114EUA		
	,		Q 9						
IC 804	(B,66,58) IC	TPS5102IDBT	Q 9	101	(A,157,99) T	Tarisisioi	2SA1576A		
	(5)				/ <b>.</b> />				_
IC 805	(B,14,64) IC	TPS5103IDB	Q 9		,	Digital Transistor			В
IC 806	(A,73,92) IC	S-L2980A33MC-0			(A,164,101)		DTC144TUA		
IC 807	(A,62,111) IC	TPD1018F	Q 9	64	(A,165,96) (	Chip Transistor	DTA114EUA		
IC 808	(B,59,100) IC	S-812C52AUA-C	3G Q 9	65	(A,162,96) (	Chip Transistor	DTC114EUA		
IC 810	(B,33,85) IC	S-812C50AUA-C	3E Q 9	71	(B,16,119) T	ransistor	IMX2		
	(=,==,==)				(=,:=,::=,				
IC 861	(B,33,31) IC	BA00DD0WHFP	Q 9	172	(B,12,109) T	ransistor	IMD3A		_
IC 2401	(A,135,106) IC	PML009A	Q 9		(B,7,118) Tr		2SD1767		
IC 2403	(B,153,86) IC	TDA7052BT	Q 2		(B,124,119)		UMD2N		
IC 2404	(B,146,109) IC	NJM2058V			(B,127,133)		DTC323TU		
IC 2405	(A,33,137) IC	PAL007C	Q 2	2403	(B,127,127)	Transistor	DTC323TU		
IC 2407	(B,133,130) IC	NJM3403AV	Q 2	2410	(B,124,116)	Transistor	UMD2N		
IC 2408	(B,132,118) IC	NJM2107F			(B,134,107)		UMD2N		С
IC 2551	(B,9,142) L-MOS And Gate				(B,134,111)		UMD2N		
IC 2553	(B,115,109) IC	NJM2068V			(B,138,106)		DTC323TU		
IC 2701		TC7SH08FUS1			,		DTC323TU		
10 2701	(B,40,21) IC	10/500000001	Q Z	410	(B,138,112)	Transision	D1032310		
	(5.55.50)				/= - · · · · ·				
IC 2702	(B,37,88) IC	TC7SH14FUS1			(B,21,113) T		UMD2N		
Q 201	(A,125,11) Transistor	UMD2N	Q 2			•	DTC114EUA		
Q 301	(A,150,21) Chip Transistor	DTC114EUA	Q 2	2421	(B,32,110) T	ransistor	UMD2N		
Q 601	(B,150,134) Transistor	2SC4081	Q 2	422	(B,26,111) T	ransistor	2SC4081		
Q 602	(B,51,84) Transistor	UMD2N	Q 2			Chip Transistor	DTC124EUA		
	( ,- ,- ,				, , ,				
Q 621	(B,40,108) Transistor	IMD2A	0.2	2428	(B 28 125) (	Chip Transistor	DTC124FUA		
Q 681	(A,117,99) Transistor	2SA1576A			(B,32,113) T		UMD2N		
	,								D
Q 691	(B,164,152) Transistor	2SD1767	Q 2		(B,33,119) T		UMD2N		_
Q 692	(B,154,148) Transistor	IMD3A				gital Transistor			
Q 701	(A,25,110) Transistor	UMF23N	Q 2	2710	(A,38,17) Tr	ansistor	2SA1577		
Q 731	(B,68,113) Transistor	IMD3A	Q 2	711	(A,42,9) Tra	nsistor	UMH2N		
Q 741	(B,82,108) Transistor	2SA1577	Q 2	712	(A,41,17) Tr	ansistor	2SA1577		
Q 742	(B,76,110) Transistor	2SC4081	D 6		(B,53,88) Di		1SS355		
Q 754	(A,75,104) Transistor	2SC4081	D 6		(B,48,84) Di		DAN202U		-
	(A,122,137) FET	RSQ030P03	D 6		(B,46,64) Di (A,154,151)				
Q 805	(A,122,137) FET	noquourus	D 0	91	(A, 134, 131)	Diode	HZU8R2(B1)		
0.000	(A 110 104) B: :: I.T	DT04445114	Б. о		( <b>.</b>	D: 1	ED 700 (D)		
Q 806	(A,118,134) Digital Transisto		D 6		(A,171,135)		EDZ20(B)		
Q 807	(A,35,80) Transistor	2SB1260	D 6		(A,171,132)		EDZ20(B)		
Q 808	(B,43,85) Chip Transistor	DTC114EUA	D 6	94	(A,165,134)	Diode	EDZ20(B)		_
Q 809	(A,88,50) Transistor	2SA1797	D 6	95	(A,165,131)	Diode	EDZ20(B)		Е
Q 810	(A,91,57) Chip Transistor	DTC114EUA	D 6	96	(A,169,135)	Diode	EDZ20(B)		
					, , ,		` '		
Q 811	(B,12,50) FET	SP8K2	D 6	97	(A,169,132)	Diode	EDZ20(B)		
Q 814	(B,61,44) Chip Transistor	DTC114EUA	D 6		(A,164,134)		EDZ20(B)		
							` '		
Q 815	(B,43,68) FET	SP8K2	D 6		(A,164,131)		EDZ20(B)		_
Q 816	(B,78,67) FET	SP8K2	D 7		(A,167,134)		UDZS6R8(B)		
Q 819	(B,43,48) FET	SP8K2	D 7	'31	(B,142,143)	Diode	EDZ6R8(B)		
Q 820	(B,78,49) FET	SP8K2	D 7	'32	(A,133,136)	Diode	EDZ6R8(B)		
Q 821	(B,84,149) Transistor	2SA1834F5	D 7		(A,135,136)		EDZ6R8(B)		
Q 822	, , ,	DTC114EUA	D 7		(A,136,136)		EDZ6R8(B)		
Q 823	(B,110,135) Transistor	2SC4081	D 7		(A,138,136)		EDZ6R8(B)		
Q 824	(B,101,135) Transistor	2SB1184F5	D 7		(B,147,151)		MALS068X		F
₩ 02 <del>4</del>	(D, 101, 100) Hallsistol	2001104F3	י ט	50	(۱۵۱,۱۴۱,۵۱)	Pione	IVIALOUUUA		
0.005	(D 440 405) Terre : :	0004004	5 -	,07	(D 447 400)	Diada	A)/D M4000000011T: ::	_	
Q 825	(B,113,135) Transistor	2SC4081	D 7		(B,147,136)		AVR-M1608C080MTAAI		
Q 828	(B,64,115) Transistor	IMX1	D 7	38	(B,143,138)	Diode	AVR-M1608C080MTAAI	В	
		Г	AVIC-N4/XU/	UC					
	5	6 L	7.3.10 1V4/7.0/		7	_	8	265	

	Cir	cuit Symbol and No.	Part No.	Circ	cuit Symbol and No.	Part No.
	D 739	(B,153,140) Diode	AVR-M1608C080MTAAB	D 2461	(B,137,85) Diode	DAN202U
	D 740	(B,150,140) Diode	AVR-M1608C080MTAAB	D 2551	(B,6,145) Diode	EDZ6R8(B)
	D 740	(B,146,151) Diode	MALS068X	D 2552	(B,13,144) Diode	EDZ6R8(B)
^	D 741	(B,140,131) Blode	WALSOOOA	D 2332	(B, 13, 144) Blode	LD20110(D)
Α	D 742	(A,160,140) Diode	EDZ6R8(B)	D 2701	(B,53,11) Diode Network	DA204U
	D 742 D 743	· · · · ·	` ,	D 2702	(B,61,7) Diode Network	DA204U
		(A,160,139) Diode	EDZ6R8(B)		,	
	D 744	(A,161,138) Diode	EDZ6R8(B)	D 2704	(B,46,16) Diode	UDZS6R8(B)
	D 745	(B,133,143) Diode	EDZ6R8(B)	D 2705	(B,48,23) Diode Network	DA204U
	D 746	(B,137,142) Diode	EDZ6R8(B)	D 2706	(B,48,28) Diode	UMZ6R8EN
	D 747	(B,139,140) Diode	EDZ6R8(B)	D 2707	(B,37,11) Diode	UMZ6R8EN
	D 748	(B,140,143) Diode	EDZ6R8(B)	D 2800	(A,162,135) Diode	RB500V-40
	D 749	(A,140,136) Diode	EDZ6R8(B)	L 1	(B,131,17) Inductor	CTF1558
	D 750	(A,142,137) Diode	EDZ6R8(B)	L 2	(B,146,18) Inductor	CTF1558
	D 751	(B,132,143) Diode	EDZ6R8(B)	L 3	(A,157,17) Inductor	CTF1410
_						
В	D 752	(A,130,134) Diode	UDZS27(B)	L 5	(A,138,33) Inductor	CTF1556
	D 753	(B,146,141) Diode	EDZ6R8(B)	L 6	(A,126,34) Inductor	CTF1295
	D 754	(B,142,141) Diode	EDZ6R8(B)	L 7	(B,161,54) Inductor	CTF1558
	D 801	(A,62,135) Diode	5KP22A	L 8	(A,147,68) Inductor	CTF1556
	D 802	(B,38,56) Diode	RB400D	L 101	(A,131,16) Chip Ferrite Be	ead CTF1557
	D 803	(B,38,60) Diode	RB400D	L 102	(A,133,12) Chip Ferrite Be	ad CTF1557
	D 804	(B,73,56) Diode	RB400D	L 103	(A,138,28) Chip Ferrite Be	
	D 805	(B,73,60) Diode	RB400D	L 104	(A,147,27) Chip Ferrite Be	
	D 806	(B,8,59) Diode	RB400D	L 105	(A,155,27) Chip Ferrite Be	
	D 807	(A,39,56) Diode	RB060L-40	L 106	(A,164,27) Chip Ferrite Be	
	D 007	(A,33,30) Didde	NDOOOL-40	L 100	(A, 104,27) Only 1 entre be	au 011 1557
	D 808	(A,39,60) Diode	RB060L-40	L 107	(A,162,33) Chip Ferrite Be	ad CTF1557
С	D 809	(A,74,55) Diode	RB060L-40	L 108	(A,162,42) Chip Ferrite Be	ad CTF1557
	D 810	(A,74,60) Diode	RB060L-40	L 109	(A,162,50) Chip Ferrite Be	ad CTF1557
	D 812	(B,38,113) Diode	HZU6R8(B2)	L 110	(B,105,38) Inductor	CTF1556
	D 814	(A,106,132) Diode	KS926S2	L 111	(B,105,22) Inductor	CTF1556
	D 045	(D 107 100) Diada		1 440	(D 100 EE) Indicates	OTE4550
_	D 815	(B,107,129) Diode	HZU7R5(B3)	L 112	(B,106,55) Inductor	CTF1556
	D 816	(B,58,118) Diode	UDZS18(B)	L 113	(B,108,60) Chip Ferrite Be	
	D 817	(B,70,93) Diode	UDZS20(B)	L 114	(B,108,55) Chip Ferrite Be	
	D 818	(A,18,50) Diode	RB060L-40	L 201	(A,125,29) Inductor	CTF1556
	D 820	(B,60,130) Diode	S1G-6904G2P	L 203	(A,85,10) Inductor	CTF1556
	D 821	(B,63,136) Diode	1SS355	L 204	(A,104,45) Inductor	CTF1488
	D 822	(B,62,133) Diode	1SS355	L 205	(A,123,21) Inductor	CTF1556
D	D 828	(B,50,133) Diode	S1G-6904G2P	L 206	(A,88,45) Inductor	CTF1556
	D 829	(B,56,121) Diode	RB500V-40	L 207	(A,94,43) Inductor	CTF1379
	D 830	(B,104,129) Diode	RB500V-40	L 301	(A,140,19) Chip Ferrite Be	ead CTF1557
	D 831	(B,97,141) Diode	RB500V-40	L 302	(A,144,13) Chip Ferrite Be	ad CTE1557
	D 832	(A,7,67) Diode	S1G-6904G2P	L 305	(A,102,54) Inductor	CTF1556
_	D 833	(B,56,150) Diode	1SS400	L 312	(A,120,52) Inductor	CTF1410
	D 834	(B,20,82) Diode		L 601	(B,51,98) Inductor	CTF1334
	D 861	(A,40,34) Diode	RB060L-40 RB060L-40	L 602	(B,43,89) Inductor	CTF1334
	D 001	(A,40,34) Didde	ND000L-40	L 002	(B,43,69) inductor	C11-1334
	D 901	(B,62,151) Diode	DAN202U	L 603	(B,42,93) Inductor	CTF1334
	D 961	(A,159,100) Diode	HZU8R2(B3)	L 604	(A,43,88) Inductor	CTF1334
_	D 971	(B,12,118) Diode	RB751V-40	L 605	(B,155,137) Inductor	CTF1334
Е	D 972	(B,12,120) Diode	RB751V-40	L 606	(A,125,91) Inductor	CTF1334
	D 973	(B,13,115) Diode	HZU8R2(B1)	L 607	(A,130,86) Inductor	CTF1334
	D 974	(B,11,122) Diode	UDZS10(B)	L 611	(B,55,109) Inductor	CTF1334
	D 2404	(B,108,97) Diode	DAN202U	L 612	(B,57,95) Inductor	CTF1334
	D 2404 D 2405	(B,127,130) Diode	DAP202U	L 612	(B,43,106) Inductor	CTF1334
	D 2405 D 2406	(A,133,122) Diode	1SS355	L 616	(B,47,106) Inductor	CTF1334
	D 2406 D 2407	(A,133,122) Diode (A,133,128) Diode	UDZS4R7(B)	L 617	(B,48,87) Inductor	CTF1334
	D 2401	(A, 100, 120) DIOUE	0020411/(D)	L 01/	(D,40,07) INDUCTOR	0111004
	D 2409	(B,22,111) Diode	UDZS8R2(B)	L 619	(A,128,83) Inductor	CTF1306
	D 2410	(B,23,119) Diode	DAN202U	L 620	(A,127,80) Inductor	CTF1306
	D 2411	(B,26,118) Diode	DAN202U	L 621	(A,128,80) Inductor	CTF1306
F	D 2412	(B,33,116) Diode	DAN202U	L 622	(A,125,83) Inductor	CTF1384
1	D 2413	(B,27,122) Diode	DAN202U	L 623	(A,125,80) Inductor	CTF1387
	D 2415	(B,129,107) Diode	DAN202U	L 624	(A,124,83) Inductor	CTF1334
	D 2416	(B,129,111) Diode	DAN202U	L 625	(A,97,82) Inductor	CTF1306
		•	AVIC-N4/			
_ 2	266	1 -	2		3 $\blacksquare$	4
_		. –	-		_	7

<u> </u>						
627	cuit Symbol and No.	Part No.	L 708	rcuit Symbol and No.	Part No. CTF1306	
	(A,127,83) Inductor	CTF1306 CTF1306		(A,21,112) Inductor	CTF1306 CTF1306	
628	(A,123,83) Inductor		L 709	(A,22,108) Inductor	C1F1306	
629	(A,124,80) Inductor	CTF1306	. 740	(4.00.440) last sates	OTE4000	
			L 710	(A,23,112) Inductor	CTF1306	
631	(A,121,80) Inductor	CTF1334	L 711	(A,24,114) Inductor	CTF1306	
632	(A,120,83) Inductor	CTF1334	L 712	(A,29,122) Inductor	CTF1629	
633	(A,120,80) Inductor	CTF1334	L 713	(A,103,124) Inductor	CTF1334	
634	(A,118,83) Inductor	CTF1334	L 714	(A,106,124) Inductor	CTF1334	
635	(A,121,83) Inductor	CTF1306				
			L 716	(A,92,127) Inductor	CTF1306	
636	(A,103,87) Inductor	CTF1334	L 717	(A,101,135) Inductor	CTF1306	
637	(A,118,80) Inductor	CTF1306	L 718	(B,157,143) Inductor	CTF1410	
638	(A,117,83) Inductor	CTF1334	L 719	(B,170,145) Inductor	CTF1334	
640	(A,116,83) Inductor	CTF1306	L 720	(A,92,130) Inductor	CTF1629	
643	,	CTF1306	L 720	(A,92,130) Inductor	0111029	
043	(A,31,122) Inductor	CIFIOU	1 701	(A 50 440) Indicates	OTE4000	
			L 721	(A,53,119) Inductor	CTF1306	
644	(A,114,83) Inductor	CTF1306	L 722	(A,53,122) Inductor	CTF1306	
645	(A,114,80) Inductor	CTF1306	L 723	(A,35,113) Inductor	CTF1306	
646	(A,113,83) Inductor	CTF1334	L 724	(A,39,113) Inductor	CTF1306	
647	(A,113,80) Inductor	CTF1334	L 725	(A,41,113) Inductor	CTF1306	
648	(A,111,80) Inductor	CTF1378		•		
	•		L 727	(A,37,113) Inductor	CTF1306	
649	(A,109,80) Inductor	CTF1378	L 728	(A,44,113) Inductor	CTF1306	
650	(A,108,80) Inductor	CTF1378	L 729	(A,42,122) Inductor	CTF1306	
651	(A,104,80) Inductor	CTF1378	L 730	(A,42,113) Inductor	CTF1306	
652	(A,102,83) Inductor	CTF1376	L 732	(A,42,113) Inductor	CTF1295	
	, , ,		L /32	(A, 157, 159) Inductor	0111290	
653	(A,102,80) Inductor	CTF1467	1 700	(A 1EC 144)	OTE1005	
000	(D.04.04)	OTE4 10 1	L 733	(A,156,141) Inductor	CTF1295	
660	(B,24,91) Inductor	CTF1464	L 734	(A,154,143) Inductor	CTF1295	
662	(B,23,98) Inductor	CTF1306	L 735	(B,142,147) Inductor	CTF1295	
663	(B,22,97) Inductor	CTF1306	L 736	(B,140,146) Inductor	CTF1295	
666	(B,14,87) Inductor	CTF1306	L 737	(B,138,143) Inductor	CTF1295	
667	(B,14,89) Inductor	CTF1306	L 738	(B,135,143) Inductor	CTF1295	
668	(B,14,90) Inductor	CTF1306	L 739	(B,135,147) Inductor	CTF1295	
669	(B,14,92) Inductor	CTF1306	L 740	(B,133,147) Inductor	CTF1410	
670	(B,15,95) Inductor	CTF1306	L 741	(A,142,139) Inductor	CTF1295	
674	,	CTF1306	L 741	(A,139,139) Inductor	CTF1295	
0/4	(B,14,93) Inductor	O 11-1300	L /42	(A, 139, 139) ITIUUCIOI	O1F1293	
677	(B,19,95) Inductor	CTF1473	1 749	(B,79,107) Inductor	CTF1410	
	,		L 743	, , , ,		
679	(A,27,81) Inductor	CTF1453	L 744	(A,116,80) Inductor	CTF1334	
680	(A,27,86) Inductor	CTF1473	L 745	(A,148,140) Inductor	CTF1334	
681	(A,52,116) Inductor	CTF1306	L 746	(A,150,140) Inductor	CTF1334	
682	(A,52,115) Inductor	CTF1386	L 748	(A,145,140) Inductor	CTF1334	
683	(A,49,122) Inductor	CTF1386	L 749	(A,147,140) Inductor	CTF1334	
684	(A,51,113) Inductor	CTF1386	L 751	(B,85,102) Inductor	CTF1334	
685	(A,48,113) Inductor	CTF1386	L 753	(B,94,111) Inductor	LCTAW680J3225	
686	(A,79,116) Inductor	CTF1306	L 754	(B,90,94) Inductor	CTF1334	
687	(A,76,116) Inductor	CTF1334	L 755	(A,101,121) Inductor	CTF1334	
	( , -,,		00	( , - , ,	- · · · · · ·	
688	(A,45,113) Inductor	CTF1386	L 759	(A,110,120) Inductor	CTF1334	
689	(A,53,121) Inductor	CTF1306	L 760	(B,83,88) Inductor	CTF1334	
690	(A,53,121) Inductor	CTF1300	L 761	(B,93,118) Inductor	LCYC2R2K1608	
	,			* * * *		
691	(A,46,122) Inductor	CTF1334	L 762	(B,108,115) Inductor	LCYC2R2K1608	
692	(A,91,121) Inductor	CTF1334	L 763	(B,94,114) Inductor	LCYC2R2K1608	
000	(4.40.400)	0.754.004		/A 70 400\ L : :	LOVOODOLITA	
693	(A,43,122) Inductor	CTF1384	L 765	(A,76,100) Inductor	LCYC2R2K1608	
694	(A,91,123) Inductor	CTF1334	L 766	(B,113,116) Inductor	LCYC2R2K1608	
695	(B,46,120) Inductor	CTF1463	L 771	(A,131,138) Inductor	CTF1453	
696	(A,102,123) Inductor	CTF1334	L 772	(A,128,138) Inductor	CTF1453	
697	(A,106,123) Inductor	CTF1334	L 793	(A,130,80) Inductor	CTF1334	
	•			•		
698	(A,40,122) Inductor	CTF1629	L 801	(A,11,53) Inductor	CTH1254	
700	(A,17,114) Inductor	CTF1306	L 802	(A,15,68) Inductor	CTH1257	
700	(A,31,110) Inductor	CTF1629	L 803	(A, 13,08) Inductor	CTH1257	
	,			,		
703	(A,17,113) Inductor	CTF1306	L 804	(A,40,67) Inductor	CTH1255	
704	(A,17,111) Inductor	CTF1306	L 805	(A,74,48) Inductor	CTH1257	
<b>-</b>	(A 4 = 42 = 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1	0.754.000		(4 == 0=)	0.711:0	
705	(A,17,110) Inductor	CTF1306	L 806	(A,75,67) Inductor	CTH1257	
706	(A,17,108) Inductor	CTF1306	L 807	(A,87,147) Inductor	CTH1262	
707	(A,20,108) Inductor	CTF1306	L 808	(A,26,65) Inductor	CTH1253	
			AVIC-N4/XU/UC			

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	Circ	cuit Symbol and No.	Part No.	Cir	cuit Symbol and No.	Part No.
	L 809	(A,62,63) Inductor	CTH1253	EF731	(B,147,144) EMI Filter	CCG1082
		(A,89,135) Choke Coil 100			•	CCG1082
	L 810	(A,89,135) Choke Coll 100	рн Стнтать	EF732	(B,145,148) EMI Filter	CCG 1082
	1 011	(D 57 104) Industry	OTE1550	FF700	(D 140 100) EMI Eiltor	0001067
Α	L 811	(B,57,134) Inductor	CTF1556	EF733	(B,140,136) EMI Filter	CCG1067
	L 812	(A,65,71) Inductor	CTF1453	EF734	(B,141,134) EMI Filter	CCG1067
	L 815	(B,60,136) Inductor	CTF1556	EF735	(B,150,138) EMI Filter	CCG1067
	L 817	(A,39,79) Inductor	LCKAW1R0J2520	EF736	(B,152,138) EMI Filter	CCG1067
	L 818	(B,26,82) Inductor	LCYA220J2520	EF801	(A,96,139) EMI Filter	CCG1172
		(5.55.4.5)			(4 == , , , , , == , , == , , , , , , , ,	000
	L 901	(B,60,148) Inductor	LCTC2R2K1608	EF802	(A,77,143) EMI Filter	CCG1172
	L 982	(B,73,32) Inductor	CTF1463	EF803	(A,79,152) EMI Filter	CCG1172
	L 983	(B,62,32) Inductor	CTF1463			
	L 984	(A,91,79) Inductor	CTF1463	RESISTO	<u>DRS</u>	
	L 985	(A,91,86) Inductor	CTF1463			
		(D. 00. 0.4). In decide	OTE4400	R 1	(B,130,34)	RS1/16S0R0J
_	L 999	(B,26,94) Inductor	CTF1463	R 3	(B,130,37)	RS1/16S0R0J
В	L 2402	(B,115,91) Inductor	CTF1306	R 5	(A,114,59)	RS1/16S473J
	L 2404	(A,147,104) Inductor	LCTAW2R2J2520	R 6	(A,120,63)	RS1/16S473J
	L 2551	(B,12,141) Inductor	CTF1379	R 7	(A,156,48)	RS1/16S220J
	L 2554	(B,35,110) Inductor	CTF1334		, , ,	
				R 8	(A,119,70)	RS1/16S473J
	L 2555	(B,37,110) Inductor	CTF1334	R 10	(A,151,70)	RS1/16S104J
	L 2701	(B,48,16) Chip Ferrite Bea	d CTF1399	R 11	(A,154,70)	RAB4C473J
-	L 2702	(B,38,21) Inductor	CTF1334	R 12	(A,144,67)	RS1/16S105J
	L 2703	(B,41,88) Inductor	CTF1334	R 13	(A,142,67)	RS1/16S151J
	L 2706	(B,49,12) Inductor	CTF1306	11 13	(A,142,07)	1101/1001010
		(=,:=,:=,::::::::::::::::::::::::::::::		R 14	(B,146,34)	RS1/16S0R0J
	L 2707	(B,50,20) Inductor	CTF1306	R 16	(B,146,37)	RS1/16S0R0J
	L 2709	(B,55,28) Inductor	CTF1306			
С	L 2710	(B,54,25) Inductor	CTF1306	R 19	(A,120,68)	RS1/16S473J
	L 2710	(B,48,13) Inductor	CTF1306	R 20	(A,134,69)	RS1/16S101J
	L 2711	,		R 21	(A,138,66)	RS1/16S101J
	L 2/12	(B,35,16) Inductor	CTF1306			
	1 0710	(D.04.44). Industry	OTE4000	R 22	(A,136,69)	RS1/16S101J
	L 2713	(B,34,11) Inductor	CTF1306	R 23	(B,136,59)	RS1/16S105J
	L 2714	(A,41,21) Inductor	CTF1334	R 24	(B,136,62)	RS1/16S151J
	L 2715	(A,38,21) Inductor	CTF1334	R 25	(A,133,69)	RS1/16S101J
	L 2716	(B,52,22) Inductor	CTF1334	R 26	(A,137,69)	RS1/16S101J
	L 2717	(B,58,10) Inductor	CTF1306			
				R 27	(A,134,66)	RS1/16S101J
	L 2718	(B,39,15) Inductor	CTF1306	R 28	(A,136,66)	RS1/16S101J
	L 2800	(B,156,133) Inductor	CTF1305	R 29	(A,132,66)	RS1/16S101J
	TH601	(A,137,88) Thermistor	CCX1056	R 30	(A,131,66)	RS1/16S101J
D	X 1	(A,142,72) Radiator 30.00	MHz CSS1633	R 31	(A,131,69)	RS1/16S101J
	X 2	(B,134,61) Radiator 33.00	MHz CSS1634		( , - ,,	
				R 32	(B,136,53)	RS1/16S473J
	X 3	(B,160,49) Radiator 33.86	8 8 MHz CSS1551	R 33	(A,130,69)	RS1/16S473J
	X 202	(A,126,21) Radiator 14.31	3 18 MHz CSS1632	R 34	(B,157,50)	RS1/16S223J
	X 601	(A,46,88) Radiator 10.0 MI	Hz CSS1577	R 35	(A,126,48)	RS1/16S104J
	VR741	(A,78,111) Semi-fixed 2.2 I	cohm(B) CCP1392	R 36	(A,125,59)	RS1/16S101J
_	<b> ∱FU691</b>	(B,165,147) Fuse 1 A	CEK1254	50	···············/	
				R 37	(A,125,60)	RS1/16S101J
	<b>∴</b> FU801	(A,63,118) Fuse 1.25 A	CEK1255	R 38	(A,125,61)	RS1/16S101J
	<b> ∱FU802</b>	(A,8,61) Fuse 4 A	CEK1260	R 39	(A,125,63)	RS1/16S101J
	<b></b> £FU803	(A,69,119) Fuse 400 mA	CEK1250	R 40	(A,125,46)	RS1/16S470J
	∕!\FU804	(A,24,72) Fuse 2.5 A	CEK1258	R 45	(B,129,55)	RS1/16S104J
Е	<u> </u>	(A,61,71) Fuse 2.5 A	CEK1258	11 43	(B,123,33)	1101/1001040
	2300	, , , , ,	- <del>-</del>	R 46	(B,130,61)	RS1/16S104J
	<b> ∱FU806</b>	(A,58,119) Fuse 1 A	CEK1254	R 47	(B,159,47)	RS1/16S104J
	∴FU807	(A,41,84) Fuse 1 A	CEK1254	R 48	(B,159,47) (B,158,65)	
	<b></b> FU808	(A,11,109) Fuse 4 A	CEK1260		· · · · /	RS1/16S104J
	∴FU809	(A,125,135) Fuse 2 A	CEK1257	R 49	(B,160,65)	RS1/16S104J
	∴FU810	(A,123,133) Fuse 2 A (A,103,140) Fuse 1.25 A	CEK1257 CEK1255	R 50	(B,161,65)	RS1/16S104J
_		(1,100,170) 1 use 1.20 A	CLIVILOU	D 50	(P 02 06)	D01/1000104 !
	<b> ∱FU811</b>	(A,83,72) Fuse 2 A	CEK1257	R 52	(B,83,26)	RS1/16SS101J
	/\FU812	(A,03,72) Fuse 2 A (A,117,141) Fuse 250 mA		R 53	(B,83,27)	RS1/16SS101J
			CEK1248	R 54	(B,83,28)	RS1/16SS101J
	<b>∴</b> FU813	(A,83,47) Fuse 2.5 A	CEK1258	R 55	(B,83,30)	RS1/16SS101J
	<b>∴</b> FU814	(B,61,107) Fuse 250 mA	CEK1248	R 57	(B,83,29)	RS1/16SS101J
F	<b>∴</b> FU821	(A,19,79) Fuse 3.15 A	CEK1259		_	
	<b>↑ 511000</b>	(A 04 00) F 4 4	OFK4054	R 59	(B,82,31)	RS1/16SS101J
	<b>∴</b> FU822	(A,64,80) Fuse 1 A	CEK1254	R 60	(B,83,32)	RS1/16SS101J
	<b>∴</b> FU823	(A,48,71) Fuse 2 A	CEK1257	R 61	(A,59,35)	RS1/16SS0R0J
	<b>∴</b> FU971	(A,10,120) Fuse 400 mA	CEK1250			
			AV/IC NI	4/XU/UC		

AVIC-N4/XU/UC

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	Circuit Symbol and No.	Part No.	Circ	uit Symbol and No.	Part No.	
R 62 R 63	,	RS1/16SS101J RS1/16SS101J	R 178 R 180	(A,120,67) (A,148,66)	RS1/16S473J RS1/16S101J	
R 64	4 (B,85,38)	RS1/16SS101J	R 181	(A,118,56)	RS1/16S473J	Α
R 65	5 (B,83,36)	RS1/16SS101J	R 182	(A,120,56)	RS1/16S473J	
R 66	, , ,	RS1/16SS101J	R 183	(A,118,62)	RS1/16S473J	
R 67	, , ,	RS1/16SS101J	R 184	(A,118,59)	RS1/16S473J	
R 68	8 (A,60,41)	RS1/16SS101J	R 185	(A,115,62)	RS1/16S473J	
R 69	,	RS1/16SS101J	R 186	(A,116,59)	RS1/16S473J	
R 70 R 71		RS1/16SS101J RS1/16SS101J	R 187 R 188	(A,115,59) (A,110,68)	RS1/16S473J RS1/16S473J	
R 72	,	RS1/16SS101J	R 189	(A,113,68)	RS1/16S473J	
R 73		RS1/16SS101J	R 190	(A,111,68)	RS1/16S473J	
R 74	4 (A,66,41)	RS1/16SS101J	R 191	(B,129,64)	RS1/16S473J	
R 75	5 (A,67,41)	RS1/16SS101J	R 192	(A,116,62)	RS1/16S473J	В
R 76	6 (A,68,41)	RS1/16SS101J	R 193	(A,126,65)	RS1/16S473J	
R 77	, , ,	RS1/16SS101J	R 194	(A,149,68)	RS1/16S390J	
R 78	8 (A,70,41)	RS1/16SS101J	R 196	(A,115,68)	RS1/16S473J	
R 79	,	RS1/16SS101J	R 198	(A,127,64)	RS1/16S473J	
R 80		RS1/16SS101J	R 201	(A,123,41)	RN1/16SE1502D	
R 81 R 82	, , ,	RS1/16SS101J RS1/16SS101J	R 202 R 210	(A,123,39) (A,102,42)	RN1/16SE1202D RS1/16S104J	
R 84	, , ,	RS1/16SS562J	R 211	(A, 102,42) (A, 100,42)	RS1/16S104J	
	, , ,					
R 85	,	RS1/16SS103J	R 212	(A,93,43)	RS1/16S104J	
R 87		RS1/16S104J	R 213	(A,92,43)	RS1/16S104J	С
R 88 R 89	, , ,	RS1/16S104J RS1/16S0R0J	R 217 R 220	(A,124,36) (A,125,8)	RS1/16S272J RS1/16S223J	O
R 90	, , ,	RS1/16S0R0J	R 221	(A, 125,26)	RS1/16S105J	
R 93	3 (B,134,44)	RS1/16S153J	R 222	(A,125,17)	RS1/16S151J	
R 94	, , ,	RS1/16S153J	R 224	(A,82,16)	RS1/16S0R0J	
R 95	5 (B,133,49)	RS1/16S153J	R 225	(A,120,9)	RS1/16S104J	
R 96	6 (B,133,48)	RS1/16S153J	R 226	(A,122,9)	RS1/16S104J	-
R 97	7 (A,122,56)	RS1/16S473J	R 227	(A,82,19)	RS1/16S104J	
R 98	8 (A,158,61)	RS1/16S473J	R 228	(A,84,19)	RS1/16S104J	
R 10		RS1/16S473J	R 229	(B,118,16)	RS1/16S560J	
R 10		RS1/16S473J	R 230	(A,84,13)	RS1/16S104J	D
R 10 R 10		RS1/16S473J RS1/16S220J	R 232 R 237	(A,85,13) (B,116,16)	RS1/16S104J RS1/16S104J	Б
	,			(D 117.10)	DC1/16C2201	
R 15 R 15		RS1/16S0R0J RS1/16S0R0J	R 238	(B,117,16)	RS1/16S330J RS1/16S104J	
R 15		RS1/16S471J	R 240 R 301	(A,118,8) (A,139,19)	RS1/16S123J	
R 15		RS1/16S473J	R 302	(A,139,21)	RS1/16S103J	•
R 15	,	RS1/16S473J	R 303	(A,140,16)	RS1/16S473J	_
R 15	56 (A,109,66)	RS1/16S473J	R 320	(A,110,57)	RS1/16S103J	
R 15		RS1/16S473J	R 321	(A,109,59)	RS1/16S0R0J	
R 15		RS1/16S473J	R 329	(A,113,50)	RS1/16SS821J	
R 16		RS1/16S473J	R 330	(A,113,53)	RS1/16SS221J	E
R 16	61 (A,109,68)	RS1/16S103J	R 331	(A,113,52)	RS1/16SS221J	_
R 16		RS1/16S473J	R 332	(A,113,51)	RS1/16SS472J	
R 16 R 16		RS1/16S560J	R 349 R 350	(B,159,44)	RS1/16S473J RS1/16S473J	
R 16	,	RS1/16S473J RS1/16S473J	R 356	(B,151,43) (A,113,56)	RS1/16S0R0J	
R 16		RS1/16S473J	R 360	(B,100,60)	RS1/16SS473J	
R 16	67 (A,120,64)	RS1/16S473J	R 361	(B,100,47)	RS1/16SS473J	
R 17		RS1/16S473J	R 362	(B,100,59)	RS1/16SS473J	
R 17		RS1/16S473J	R 363	(B,100,48)	RS1/16SS473J	
R 17	72 (A,111,66)	RS1/16S473J	R 364	(B,100,52)	RS1/16SS473J	
R 17	74 (A,125,67)	RS1/16S473J	R 365	(B,100,51)	RS1/16SS473J	F
R 17		RS1/16S473J	R 366	(B,100,49)	RS1/16SS473J	
R 17		RS1/16S0R0J	R 367	(B,102,49)	RS1/16SS473J	
R 17	77 (A,120,65)	RS1/16S473J	R 368	(B,102,51)	RS1/16SS473J	
			N4/XU/UC	_		269 _
	5	6		7	8	

	<u>Circ</u>	cuit Symbol and No.	Part No.	<u>Cir</u>	cuit Symbol and No.	Part No.
	R 369	(B,100,58)	RS1/16SS473J	R 674	(B,39,101)	RS1/16SS102J
	R 370	(A,92,72)	RS1/8S0R0J	R 675	(A,32,99)	RS1/16SS681J
	11 070	(11,02,12)	1101/0001100	R 676	(A,35,90)	RS1/16SS681J
	R 601	(A,137,87)	RS1/16S1803D	11 070	(7,00,00)	1101/10000010
Α	R 602	(B,50,100)	RS1/16SS473J	R 677	(B,15,86)	RS1/16S104J
	R 603	(A,130,91)	RS1/16SS473J	R 681	(A,117,94)	RS1/16S101J
	R 604	(A,33,94)	RS1/16SS0R0J	R 682	(A,119,94)	RS1/10S471J
	R 605	(A,31,95)	RS1/16SS102J	R 683	(A,120,97)	RS1/16S103J
				R 687	(A,23,121)	RS1/16S470J
	R 606	(A,37,88)	RAB4C681J			
-	R 607	(A,125,85)	RS1/16SS473J	R 691	(B,160,148)	RS1/10S221J
	R 608	(B,154,135)	RS1/16S563J	R 692	(B,157,148)	RS1/10S221J
	R 609	(B,153,132)	RS1/16S104J	R 693	(A,171,138)	RS1/16S681J
	R 610	(B,150,132)	RS1/16S473J	R 694	(A,165,138)	RS1/16S681J
				R 695	(A,168,138)	RS1/16S681J
	R 611	(B,153,135)	RS1/16S472J			
В	R 612	(A,31,93)	RS1/16SS473J	R 696	(A,164,138)	RS1/16S681J
	R 614	(A,33,102)	RS1/16SS473J	R 697	(A,167,138)	RS1/16S681J
	R 616	(A,45,109)	RS1/16SS681J	R 699	(B,20,101)	RS1/16S0R0J
	R 617	(A,41,87)	RS1/16S0R0J	R 701	(A,121,122)	RS1/16S820J
		(* 1, 1 1,01 )		R 702	(A,23,108)	RS1/16S103J
	R 618	(B,39,99)	RS1/16SS473J	R 703	(A,25,108)	RS1/16S103J
	R 620	(B,48,97)	RS1/16SS473J	11 700	(7,25,100)	1101/1001000
	R 621	(B,48,97) (B,62,91)	RS1/16SS473J	R 730	(B,73,101)	RS1/16S0R0J
	R 622	(A,55,109)	RS1/16SS473J	R 732	(B,143,143)	RS1/16S102J
	R 623	(A,47,109)	RAB4C681J	R 733	(B,145,143)	RS1/16S102J
		(	50.44.50.450.4	R 734	(A,138,139)	RS1/16S102J
	R 625	(A,33,106)	RS1/16S473J	R 735	(A,136,139)	RS1/16S102J
_	R 626	(A,51,110)	RAB4C681J			
С	R 627	(A,59,94)	RS1/16SS473J	R 736	(A,135,139)	RS1/16S0R0J
	R 628	(A,34,99) (EW5)	RS1/16SS473J	R 737	(A,133,139)	RS1/16S102J
	R 629	(A,57,95)	RS1/16SS473J	R 738	(B,138,146)	RS1/16S681J
	R 630	(A,33,100) (UC)	RS1/16SS473J	R 739	(B,137,147)	RS1/16S681J
				R 740	(B,144,134)	RS1/16S101J
	R 631	(A,32,95)	RS1/16SS102J			
	R 632	(A,35,106)	RS1/16SS473J	R 741	(B,143,135)	RS1/16S101J
_	R 633	(A,56,90)	RS1/16SS473J	R 742	(B,79,109)	RS1/16S102J
	R 636	(B,55,113)	RS1/16S473J	R 743	(A,78,108)	RS1/16S362J
	R 640	(B,51,87)	RS1/16SS101J	R 744	(A,80,114)	RS1/16S512J
		( , , ,		R 745	(B,77,113)	RS1/16S471J
	R 641	(B,51,88)	RS1/16SS473J		(=,::,::=)	
	R 642	(A,54,106)	RS1/16SS681J	R 746	(B,80,111)	RS1/16S0R0J
D	R 643	(A,56,99)	RS1/16SS681J	R 751	(B,101,93)	RS1/16SS101J
	R 644	(B,48,98)	RS1/16SS681J	R 752	(B,103,94)	RS1/16SS101J
	R 645	(A,56,96)	RS1/16SS681J	R 753	(B,105,96)	RS1/16SS101J
	11 043	(7,30,30)	1161/16666616	R 754	(B,96,94)	RS1/16S222J
	R 646	(A,56,93)	RAB4C681J	11 734	(6,90,94)	1101/1002220
	R 647	(A,54,90)	RS1/16SS681J	R 755	(P. 90.06)	RS1/16S222J
		,			(B,89,96)	
	R 648	(A,53,88)	RS1/16SS681J	R 756	(B,120,133)	RS1/16S750J
	R 649	(A,52,88)	RS1/16SS681J	R 757	(B,83,98)	RS1/16S101J
	R 651	(B,55,105)	RS1/16S681J	R 760	(B,114,129)	RS1/16S4701D
	D	(4.407.6.1)	D04/4600000	R 761	(B,82,94)	RS1/16S1000D
	R 653	(A,137,84)	RS1/16S2003F	_	<b>(5.5.</b> ) ·	B11///- B=-
	R 654	(A,33,105)	RS1/16SS473J	R 762	(B,95,108)	RN1/16SE2002D
Е	R 657	(A,53,84)	RS1/16S104J	R 763	(B,92,108)	RS1/16S473J
_	R 658	(A,34,96)	RS1/16SS101J	R 764	(B,102,108)	RS1/16S75R0D
	R 659	(A,50,88)	RAB4C681J	R 765	(B,101,108)	RS1/16S75R0D
				R 766	(B,99,108)	RS1/16S75R0D
	R 660	(A,42,86)	RS1/16SS104J			
	R 661	(A,42,88)	RS1/16SS681J	R 767	(B,98,108)	RS1/16S750J
	R 662	(A,25,104)	RS1/16S103J	R 768	(B,117,127)	RS1/16S4701D
	R 664	(B,38,102)	RS1/16SS681J	R 769	(B,105,118)	RS1/16S105J
	R 665	(A,37,109)	RAB4C681J	R 770	(B,86,122)	RS1/16S101J
		· /- //		R 771	(B,112,124)	RS1/16S101J
	R 666	(A,41,109)	RAB4C681J	//!	(-, · · -, · - · /	
	R 667	(A,43,109)	RS1/16SS681J	R 772	(B,102,114)	RS1/16S105J
	R 668	(A,23,126)	RS1/16S3661J	R 773	(A,105,98)	RS1/16S750J
	R 670	(B,39,105)	RS1/16SS104J	R 774	(B,95,114)	RS1/16S101J
F		, , ,			,	
	R 671	(B,39,102)	RS1/16SS103J	R 776	(A,122,121)	RS1/16S750J
	D 076	(4.04.400)	D04/400000::	R 781	(A,106,80)	RS1/16S0R0J
	R 672	(A,34,109)	RS1/16SS681J	B	(D.00.447)	DO4/40040=:
	R 673	(B,39,104)	RS1/16SS102J	R 782	(B,83,117)	RS1/16S105J
	270		AVIC	-N4/XU/UC		
^	<u>_ 1 U</u>	_			_	

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	Circu	uit Symbol and No.	Part No.		Circ	uit Symbol and No.	Part No.	
	·	<u>-</u>	·		-	•		
F	R 783	(B,91,118)	RS1/16S105J		R 869	(B,60,57)	RS1/16S1003D	
F	R 784	(B,101,112)	RS1/16S105J		R 870	(B,61,42)	RS1/16S473J	
	R 785	(B,81,117)	RS1/16S105J		R 873	(B,41,56)	RS1/10S150J	
		,	RS1/16S4701D			,		^
r	R 786	(B,114,127)	RS1/16S4/01D		R 874	(B,29,51)	RS1/16S224J	Α
	700	(D 447 405)	D04/4004704D		D 075	(D. 00. 05)	D04/4000041	
	R 788	(B,117,125)	RS1/16S4701D		R 875	(B,29,65)	RS1/16S224J	
F	R 789	(B,120,120)	RS1/16S102J		R 876	(B,41,60)	RS1/10S150J	
F	R 790	(B,115,116)	RS1/16S563J		R 877	(B,76,57)	RS1/10S150J	
	R 791	(B,118,118)	RS1/16S473J		R 878	(B,65,50)	RS1/16S224J	
		,				· · · /		
•	R 792	(B,92,115)	RS1/16S105J		R 879	(B,65,64)	RS1/16S224J	•
_		/ /»	50.//.50=55			(5.50.00)	50.44.50.55.	
	R 794	(A,73,106)	RS1/16S563J		R 880	(B,76,60)	RS1/10S150J	
F	R 795	(A,75,101)	RS1/16SS102J		R 884	(B,90,147)	RS1/4S561J	
F	R 796	(A,72,103)	RS1/16S563J		R 885	(B,90,150)	RS1/4S561J	
	R 800	(B,94,118)	RS1/16S105J		R 886	(B,84,144)	RS1/16S103J	
		,				•		
•	R 803	(B,7,51)	RS1/16S5600D		R 891	(B,108,136)	RS1/16S1101D	Б
								В
F	₹ 813	(B,58,107)	RS1/16S0R0J		R 892	(B,110,140)	RS1/16S6800D	
F	R 814	(A,80,95)	RS1/16S0R0J		R 893	(B,111,130)	RS1/8S102J	
	R 819	(B,39,85)	RS1/8S181J		R 894	(B,115,140)	RS1/16S471J	
		, , ,				,		
	R 820	(B,39,82)	RS1/8S181J		R 895	(B,111,132)	RS1/8S102J	
F	R 821	(A,30,81)	RS1/16S103J		R 896	(B,107,133)	RS1/16S103J	
F	R 824	(B,59,34)	RS1/16S0R0J		R 901	(B,147,122)	RS1/16S224J	
	R 825	(A,88,55)	RS1/10S360J		R 902	(B,37,121)	RS1/16S473J	
	R 826	(A,88,57)	RS1/10S360J		R 903	(B,39,115)	RS1/16S223J	
F	₹ 827	(A,88,53)	RS1/16S103J		R 904	(B,37,115)	RS1/16S223J	
F	R 829	(A,119,138)	RS1/16S475J		R 905	(B,26,88)	RS1/10S472J	
		,				,		
F	R 832	(B,7,54)	RS1/16S8201D		R 906	(B,29,84)	RS1/16S223J	С
	R 833	(B,7,56)	RS1/16S1501D		R 907	(B,62,155)	RS1/16S102J	
	₹ 834	(B,8,69)	RS1/16S681J		R 908	(B,90,144)	RS1/4S471J	
F	₹ 835	(B,13,70)	RS1/16S154J		R 909	(B,96,127)	RS1/4S471J	
F	R 836	(B,29,49)	RS1/16S3300D		R 910	(B,89,134)	RS1/16S153J	
		, , ,				, , ,		
F	R 837	(B,26,48)	RS1/16S101J		R 911	(B,61,119)	RS1/16S474J	_
		,				, , ,		
	R 838	(B,26,49)	RS1/16S3001D		R 912	(B,118,140)	RS1/16S472J	
F	₹ 839	(B,24,48)	RS1/16S1001D		R 913	(B,116,134)	RS1/16S102J	
F	R 840	(B,25,51)	RS1/16S102J		R 914	(B,61,112)	RS1/16S473J	
F	R 841	(B,25,53)	RS1/16S104J		R 915	(B,65,118)	RS1/16S473J	
-		(=,==,==)				(=,==,==,		
	R 842	(B,29,67)	RS1/16S6800D		R 916	(B,63,118)	RS1/16S473J	
			RS1/16S5601D			,	RS1/16S0R0J	D
	R 843	(B,26,67)			R 917	(B,65,98)		_
	R 844	(B,24,68)	RS1/16S1001D		R 918	(B,66,99)	RS1/16S471J	
F	₹ 845	(B,26,68)	RS1/16S101J		R 919	(A,112,137)	RS1/16S475J	
F	R 846	(B,25,65)	RS1/16S102J		R 920	(B,67,132)	RS1/16S101J	
		, , ,				,		
F	R 847	(B,65,47)	RS1/16S5600D		R 921	(B,61,116)	RS1/16S103J	
	R 848	, , ,	RS1/16S2401D		R 922	,	RS1/16S153J	_
		(B,61,47)				(B,59,150)		
	₹ 849	(B,61,49)	RS1/16S101J		R 924	(B,65,152)	RS1/16S472J	
F	₹ 850	(B,59,48)	RS1/16S1601D		R 925	(A,63,107)	RS1/16S102J	
F	₹ 851	(B,60,50)	RS1/16S152J		R 926	(A,66,108)	RS1/16S103J	
		, , ,				,		
F	R 852	(B,65,69)	RS1/16S1200D		R 927	(B,67,131)	RS1/10S471J	
		,				•		
	R 853	(B,61,69)	RS1/16S1001D		R 928	(B,66,134)	RS1/16S103J	E
F	₹ 854	(B,60,53)	RS1/16S104J		R 929	(B,63,135)	RS1/10S103J	_
F	R 855	(B,61,67)	RS1/16S101J		R 930	(B,63,149)	RS1/16S472J	
F	R 856	(B,59,68)	RS1/16S1001D		R 936	(B,65,90)	RS1/16S820J	
		(_,-,-,				(=,==,==)		
-	R 857	(B,60,66)	RS1/16S152J		R 937	(B,68,90)	RS1/16S820J	
		,				,		
	R 858	(B,20,66)	RS1/16S100J		R 938	(B,113,137)	RS1/16S561J	_
	₹ 859	(B,14,57)	RS1/16S184J		R 939	(B,7,48)	RS1/16S0R0J	
F	R 861	(B,8,46)	RS1/10S100J		R 940	(B,29,46)	RS1/16S0R0J	
	R 862	(B,40,26)	RS1/16S1002D		R 941	(B,32,68)	RS1/16S0R0J	
•		· · · · · · · · · · · · · · · · · · ·	- :: <b></b>			, , - , /		
	R 863	(B,41,35)	RS1/16S102J		R 942	(B,65,46)	RS1/16S0R0J	
		,				,		
	R 864	(B,42,28)	RS1/16S6202D		R 943	(B,67,68)	RS1/16S0R0J	
	R 865	(B,27,70)	RS1/16S100J		R 944	(B,25,63)	RS1/16S104J	F
F	R 866	(B,25,58)	RS1/16S1003D		R 945	(B,60,63)	RS1/16S104J	r
	R 867	(B,64,44)	RS1/16S473J		R 946	(B,36,115)	RS1/16S4701D	
'		\_,~ ·,· ·,			010	(=,00,)		
	R 868	(B,66,71)	RS1/16S100J		R 952	(A,77,94)	RS1/16S473J	
Г	. 000	(2,00,71)				(, t, , t , , <del>, , , , , , , , , , , , , </del>	1101/1004/30	
				AVIC-N4	/XU/UC			271
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	<u>Circ</u>	cuit Symbol and No.	Part No.	<u>Circ</u>	cuit Symbol and No.	Part No.
	R 954	(B,56,148)	RS1/16S103J	R 2476	(B,138,114)	RS1/16S104J
	R 961	(A,157,97)	RS1/16S223J	R 2478	(B,141,101)	RS1/16S472J
	R 962	(A,154,97)	RS1/16S103J	R 2479	(B,141,103)	RS1/16S472J
Α	R 963	(A,161,100)	RS1/16S104J	R 2480	(B,144,118)	RS1/16S472J
	R 964	(A,164,98)	RS1/16S223J	R 2481	(B,141,115)	RS1/16S472J
	R 971	(B,16,121)	RS1/16S824J	R 2482	(B,141,106)	RS1/16S472J
	R 972	(B,16,125)	RS1/16S102J	R 2483	(B,141,112)	RS1/16S472J
	R 973	(B,19,119)	RS1/16S472J	R 2484	(B,144,102)	RS1/16S472J
	R 974	(B,16,116)	RS1/8S471J	R 2485	(B,144,115)	RS1/16S472J
	R 975	(B,16,114)	RS1/8S751J	R 2486	(B,147,102)	RS1/16S472J
	R 977	(B,30,125)	RS1/16S103J	R 2487	(B,147,115)	RS1/16S472J
	R 978	(B,30,123)	RS1/16S103J	R 2488	(B,35,122)	RS1/16S471J
	R 983	(A,12,78)	RS1/10S102J	R 2489	(B,25,139)	RS1/16S471J
	R 985	(A,80,91)	RS1/10S102J	R 2492	(B,23,109)	RS1/16S223J
В		, , ,			,	
	R 986	(A,136,132)	RS1/10S102J	R 2493	(B,23,113)	RS1/16S473J
	R 987	(B,85,45)	RS1/10S102J	R 2496	(B,28,113)	RS1/16S103J
	R 989	(B,85,71)	RS1/10S102J	R 2497	(B,22,116)	RS1/4S102J
	R 990	(B,72,92)	RS1/16S0R0J	R 2499	(B,21,122)	RS1/16S103J
	R 2403	(A,133,123)	RS1/16S102J	R 2500	(B,23,126)	RS1/16S103J
	11 2400	(A, 155, 125)	1131/1031020	11 2300	(0,20,120)	1131/1031030
-	R 2404	(B,127,135)	RS1/16S473J	R 2501	(B,18,124)	RS1/16S221J
	R 2407	(B,127,125)	RS1/16SS473J	R 2502	(B,21,125)	RS1/16S102J
	R 2409	(B,129,134)	RS1/16S473J	R 2503	(A,50,134)	RS1/16S101J
	R 2410	(B,130,127)	RS1/16SS473J	R 2551	(A,13,138)	RS1/16S221J
	R 2411	(B,132,135)	RS1/16S333J	R 2552	(A,13,141)	RS1/16S621J
С	R 2416	(B,131,125)	RS1/16S333J	R 2553	(B,6,143)	RS1/16S473J
Ū	R 2416		RS1/16S104J		• • • •	RS1/16S473J
		(B,108,103)		R 2554	(B,9,144)	
	R 2418	(B,108,106)	RS1/16S102J	R 2556	(B,136,119)	RS1/16S473J
	R 2419	(B,133,123)	RS1/16SS473J	R 2557	(B,136,120)	RS1/16S473J
	R 2420	(B,131,137)	RS1/16S473J	R 2558	(B,129,119)	RS1/16SS473J
	R 2421	(B,109,109)	RS1/16S473J	R 2566	(A,127,104)	RS1/16SS101J
-	R 2422	(B,134,137)	RS1/16S473J	R 2567	(A,127,105)	RS1/16SS101J
	R 2423	(B,134,123)	RS1/16SS473J	R 2568	(A,127,106)	RS1/16SS101J
	R 2424	(B,111,110)	RS1/16S473J	R 2569	(B,132,120)	RS1/16S102J
	R 2425	(B,135,137)	RS1/16S473J	R 2570	(B,129,116)	RS1/16S0R0J
	R 2426	(B,135,123)	RS1/16SS473J	R 2571	(B,144,104)	RS1/16S224J
D	R 2428	(B,115,113)	RS1/16S0R0J	R 2572	(B,144,114)	RS1/16S224J
	R 2432	(B,118,105)	RS1/16S473J	R 2602	(A,160,117)	RS1/8S0R0J
	R 2433	(B,114,104)	RS1/16S473J	R 2701	(B,46,13)	RS1/16S222J
	R 2438	(A,145,111)	RS1/16S181J	R 2702	(B,58,8)	RS1/16S222J
					, , ,	
	R 2440	(A,143,108)	RS1/16S181J	R 2706	(B,49,18)	RS1/16S222J
	R 2441	(A,144,106)	RS1/16S223J	R 2707	(B,52,28)	RS1/16S102J
	R 2444	(A,144,112)	RS1/16S223J	R 2708	(B,51,26)	RS1/16S102J
	R 2445	(A,144,104)	RS1/16S102J	R 2710	(A,45,20)	RS1/16S102J
	R 2446	(A,143,114)	RS1/16S102J	R 2711	(A,46,22)	RS1/16S102J
	R 2447	(B,133,100)	RS1/16S0R0J	R 2712	(B,50,23)	RS1/16S102J
	R 2448	(A,126,98)	RS1/16S0R0J	R 2713	(B,35,14)	RS1/16S222J
Ε	R 2449	(A,126,101)	RS1/16S0R0J	R 2714	(B,35,11)	RS1/16S222J
	R 2451	(B,150,92)	RS1/16S152J	R 2715	(B,38,15)	RS1/16S222J
	R 2452	(A,126,113)	RS1/16S0R0J	R 2723	(A,38,15)	RS1/16S223J
	11 2432	(A,120,110)	1131/10301103	11 2725	(A,30,13)	1101/1002200
	R 2453	(A,128,116)	RS1/16S0R0J	R 2724	(A,38,13)	RS1/16S472J
	R 2454	(B,132,115)	RS1/16S0R0J	R 2725	(A,42,13)	RS1/16S103J
	R 2459	(B,40,123)	RS1/16S471J	R 2726	(A,41,15)	RS1/16S223J
	R 2460	(B,153,91)	RS1/16S104J	R 2729	(A,40,13)	RS1/16S472J
	R 2461	(B,145,84)	RS1/16S1202D	R 2730	(B,8,51)	RS1/16S331J
	R 2462	(B,144,88)	RS1/16S1003D	R 2731	(A,85,110)	RS1/16S0R0J
	R 2465	(B,26,141)	RS1/16SS471J			
F	R 2472	(B,135,104)	RS1/16S821J	CAPACIT	ORS	
г	R 2473	(B,136,114)	RS1/16S821J			
	R 2474	(B,151,81)	RS1/16S101J	C 1	(B,131,19)	CKSRYB104K50
	R 2475	(B,138,104)	RS1/16S104J	C 2	(B,130,22)	CKSRYB104K50
			AVIC-N4/XU	/UC		
<b>.</b> 2	272	1 -	2	, 33	3	4
_		. –	<u>-</u>		<b>–</b>	7

Ci	rcuit Symbol and No.	Part No.	Cir	cuit Symbol and No.	Part No.	
С 3	(B,130,25)	CKSRYB104K50	C 78	(B,145,21)	CKSRYB103K50	
C 4	(B,130,30)	CKSRYB104K50	C 79	(B,162,30)	CKSRYB103K50	
5	(B,130,42)	CKSRYB104K50	C 80	(B,154,17)	CKSRYB103K50	A
C 6	(A,151,37)	CKSRYB104K50	C 81	(B,146,40)	CKSRYB224K10	,
2 7	(A,156,45)	CKSRYB104K50	C 82	(B,162,23)	CKSRYB103K50	
C 8	(A,155,50)	CKSRYB104K50	C 96	(B,163,23)	CKSRYB224K10	
9	(A,155,53)	CKSRYB104K50	C 97	(B,163,28)	CKSRYB224K10	
10	(A,156,56)	CKSRYB104K50	C 98	(B,163,30)	CKSRYB224K10	
C 11	(A,156,61)	CKSRYB104K50	C 101	(A,130,18)	CKSRYB104K50	
2 12	(B,135,18) 10 μF	CCG1171	C 102	(A,134,12)	CKSRYB104K50	
13	(B,145,26)	CKSRYB104K50	C 103	(A,138,26)	CKSRYB104K50	
14	(B,145,29)	CKSRYB104K50	C 104	(A,147,30)	CKSRYB104K50	
15	(A,146,36)	CKSRYB104K50	C 105	(A,155,30)	CKSRYB104K50	
	(4.444.00)	OKODVD404K50	0.400	(4.404.00)	01/00/07/04/750	E
16	(A,144,36)	CKSRYB104K50	C 106	(A,164,30)	CKSRYB104K50	
17	(A,146,67)	CKSRYB104K50	C 107	(A,160,33)	CKSRYB104K50	
: 18	(A,144,69)	CCSRCH100D50	C 108	(A,160,42)	CKSRYB104K50	
19	(A,142,69)	CCSRCH100D50	C 109	(A,160,50)	CKSRYB104K50	
20	(B,148,18)	CKSRYB104K50	C 110	(B,105,43) 10 μF	CCG1171	
21	(B,147,22)	CKSRYB104K50	C 111	(B,105,40)	CKSRYB104K50	_
22	(B,147,25)	CKSRYB104K50	C 112	(B,105,35)	CKSRYF224Z16	
23	(B,147,23) (B,147,30)	CKSRYB104K50	C 112	(B,105,33) (B,105,27) 10 μF	CCG1171	
24	(B,146,41)	CKSRYB104K50	C 114	(B,105,24)	CKSRYB104K50	
25	(A,140,37)	CKSRYB104K50	C 115	(B,105,19)	CKSRYF224Z16	
26	(A,140,66)	CKSRYB104K50	C 116	(B,118,65)	CKSRYF104Z25	
27	(B,151,18) 10 μF	CCG1171	C 117	(B,106,52) 10 μF	CCG1171	C
28	(B,156,15)	CKSRYB104K50	C 118	(B,106,50)	CKSRYB104K50	
29	(B,162,28)	CKSRYB104K50	C 119	(B,118,49)	CKSRYF104Z25	
30	(A,157,18)	CKSRYF104Z25	C 120	(B,108,62)	CKSRYF104Z25	
0.4	(D. 101 50)	0000011000000	0.404	(D. 400 ET)	01/00/15/04/705	
31	(B,131,59)	CCSRCH8R0D50	C 121	(B,108,57)	CKSRYF104Z25	
32	(B,131,63)	CCSRCH8R0D50	C 122	(B,103,39)	CKSRYF104Z25	
33	(A,135,37)	CKSRYB104K50	C 123	(B,105,55)	CKSRYF103Z50	
35	(A,135,66)	CKSRYB104K50	C 124	(B,129,40)	CCSRCH101J50	
36	(A,129,65)	CKSRYB104K50	C 125	(A,165,33)	CKSRYF104Z25	
38	(A,134,33) 10 µF	CCG1171	C 126	(A,165,50)	CKSRYF104Z25	
39	(A,126,41)	CKSRYB104K50	C 201	(A,123,38)	CKSRYB104K50	
40	(A,126,43)	CKSRYB104K50	C 202	(A,118,43)	CKSRYB104K50	D
41	(A,126,51)		C 203	(A,116,43)	CKSRYB104K50	
42	(B,140,44)	CKSRYB104K50 CKSRYB104K50	C 203	(A, 110,43) (A, 121,37)	CKSRYB104K50	
-	(=,::0,::)		0 20 .	(,,,=,,=,,		
44	(B,136,56)	CKSRYB104K50	C 205	(A,110,43)	CKSRYB104K50	
47	(B,144,66)	CKSRYB104K50	C 206	(A,105,42)	CKSRYB104K50	
49	(B,143,44)	CKSRYB104K50	C 207	(A,99,42)	CKSRYB104K50	
51	(A,148,36)	CKSRYB224K10	C 208	(A,95,43)	CKSRYB104K50	
54	(B,83,38)	CCSRCH121J50	C 209	(A,86,37)	CKSRYB104K50	
55	(B,147,44)	CKSRYB104K50	C 211	(A,121,35)	CKSRYB104K50	
57	(B,151,44)	CKSRYB104K50	C 213	(A,121,32)	CKSRYB104K50	
60	(B,152,66)	CKSRYB104K50	C 214	(A,123,32)	CKSRYB104K50	Е
63	(B,157,47)	CKSRYB104K50	C 215	(A,86,36)	CKSRYB104K50	_
64	(B,157,52)	CKSRYB104K50	C 216	(A,86,32)	CKSRYB104K50	
66	(B,157,55)	CKSRYB104K50	C 217	(A,86,31)	CKSRYB104K50	
67	(B,159,55) 10 μF	CCG1171	C 220	(A,124,33) 10 μF	CCG1171	
68	(A,130,36) 22 μF	CCG1178	C 221	(A,121,29)	CKSRYB104K50	
69	(A,130,34) 22 µF	CCG1178	C 222	(A,121,27)	CKSRYB104K50	
70	(A,129,30) 22 μF	CCG1178	C 223	(A,123,9)	CKSRYB224K10	
74	/D 100 01\	OKODVE100750	0.004	/A 101 04\	OKODVD404KE0	
71	(B,128,61)	CKSRYF103Z50	C 224	(A,121,24)	CKSRYB104K50	
72	(B,162,52)	CKSRYF103Z50	C 225	(A,123,29)	CKSRYB104K50	
73	(B,161,52)	CKSRYF104Z25	C 227	(A,86,29)	CKSRYB104K50	
74	(B,157,62)	CKSRYF104Z25	C 228	(A,86,25)	CKSRYB104K50	F
75	(A,155,18)	CKSRYF104Z25	C 230	(A,126,26)	CCSRCH150J50	
76	(B,130,27)	CKSRYB103K50	C 231	(A,126,17)	CCSRCH120J50	
77	(B,138,18)	CKSRYB103K50	C 232	(A,121,22)	CKSRYB104K50	
	•		IC-N4/XU/UC			
	5	6	IO-IN-4/XO/OO	7	8	273

	Circ	cuit Symbol and No.	Part No.	<u>Cir</u>	cuit Symbol and No.	Part No.
	C 233	(A,121,19)	CKSRYB104K50	C 626	(B,53,85)	CKSSYB103K16
	C 234	(A,86,20)	CKSRYB104K50	C 630	(A,32,97)	CCSRCH101J50
	C 235	(A,87,19)	CKSRYB104K50	C 636	(B,22,91)	CKSRYF104Z25
Α	0 200	(4,07,13)	CROITI B 104R30	0 000	(0,22,31)	OROTTI 104223
^	C 237	(A,122,16)	CKSRYB104K50	C 643	(B,17,93)	CKSRYF104Z25
	C 238	(A,122,13)	CKSRYB104K50	C 644	(B,42,121)	CKSRYF104Z25
	C 239	(A,87,17)	CKSRYB104K50	C 645	(A,36,122) 10 μF	CCG1236
	C 240	(A,87,17) (A,87,15)	CKSRYB104K50	C 647	(A,32,112) 10 μF	CCG1236
	C 241	(A,87,13)	CKSRYB104K50	C 648	(A,27,121)	CKSRYF104Z25
	0 241	(4,07,10)	CROITI B 104R30	0 040	(A,27,121)	OROTTI 104223
	C 242	(A,115,8)	CKSRYB104K50	C 670	(A,37,85)	CKSSYB104K10
	C 243	(A, 112,8)	CKSRYB104K50	C 671	(A,34,98)	CKSSYB104K10
	C 244	(A,108,8)	CKSRYB104K50	C 672	(A,34,95)	CKSSYB104K10
	C 245	(A, 105,8)	CKSRYB104K50	C 673	(B,39,106)	CKSSYB104K10
	C 246	(A,102,8)	CKSRYB104K50	C 675	(A,137,85)	CKSSYB104K10
	0 2.0	(71,102,0)	CHOILE IO III.	0 0.0	(71,107,00)	ONCO I BIO INTO
В	C 247	(A,97,8)	CKSRYB104K50	C 679	(A,27,89)	CKSRYF104Z25
	C 248	(A,92,8)	CKSRYB104K50	C 680	(A,25,88)	CKSRYB104K50
	C 249	(A,87,9) 10 μF	CCG1171	C 681	(A,24,80)	CKSRYF104Z25
	C 250	(A,107,43) 10 μF	CCG1171	C 682	(A,24,82)	CKSRYB104K50
	C 251	(A,123,26) 10 μF	CCG1171	C 690	(B,154,143)	CKSQYB475K6R3
	0 20.	(π,π20,20) το μπ	334171	0 000	(2,101,110)	ONOG 12 17 ONO 10
_	C 252	(A,88,43) 10 μF	CCG1171	C 691	(A,156,151)	CKSRYB102K50
	C 253	(A,124,14)	CKSRYF104Z25	C 692	(B,158,141)	CKSRYB104K50
	C 255	(A,86,34)	CKSRYB103K50	C 693	(B,157,145)	CKSQYB105K16
	C 256	(A,86,28)	CKSRYB103K50	C 694	(B,156,141)	CKSQYB105K16
	C 257	(A,86,26)	CKSRYB103K50	C 695	(B,160,146)	CKSQYB105K16
	0 237	(7,00,20)	CROTTETOSRSO	0 000	(B,100,140)	OKOQ I DIOSKIO
	C 258	(A,86,23)	CKSRYB103K50	C 696	(B,171,145)	CKSRYB102K50
С	C 259	(A,86,22)	CKSRYB103K50	C 697	(B,159,134)	CKSQYB105K16
	C 260	(A,87,16)	CKSRYB103K50	C 698	(B,162,134)	CKSQYB105K16
	C 261	(A,84,8)	CKSRYB103K50	C 699	(B,168,133)	CKSRYB103K10
	C 262	(A,82,8)	CKSRYB103K50	C 700	(B,165,133)	CKSRYB102K50
	0 202	(A,02,0)	CRSRT B 103R30	0 700	(B, 103, 133)	OKOTTI D TOZKOO
	C 301	(A,140,21)	CKSRYF104Z25	C 701	(B,167,133)	CKSRYB102K50
_	C 302	(A,148,22)	CKSRYB334K10	C 702	(B,164,133)	CKSRYB102K50
	C 303	(A,141,13)	CKSRYF104Z25	C 704	(B,84,112)	CKSRYB104K50
	C 306	(A,119,49)	CKSRYF104Z25	C 705	(B,91,115)	CKSRYB104K50
	C 323	(A,119,49) (A,106,57) 10 μF	CCG1171	C 706	(A,124,122)	CCSRCH102J50
	0 020	(Α, 100,37) 10 μ1	0001171	0 700	(1,124,122)	00011011102030
	C 328	(A,103,51)	CKSRYB104K50	C 707	(B,120,128)	CKSYB106K6R3
	C 329	(A,102,51) 10 μF	CCG1171	C 709	(B,114,125)	CCSRCK1R0C50
D	C 341	(A,159,19)	CCSRCH101J50	C 711	(B,120,118)	CKSRYB105K10
	C 342	(A,139,14)	CKSRYF104Z25	C 711	(B,113,118)	CKSRYB104K50
	C 344	(B,145,12)	CKSRYF103Z50	C 713	(B,111,120)	CKSYF106Z10
	0 044	(0,143,12)	OKO1111 100230	0 710	(0,111,120)	OROT1 100210
	C 345	(B,144,12)	CKSRYF104Z25	C 732	(B,153,141)	CKSRYB102K50
	C 346	(B,130,12)	CKSRYF103Z50	C 733	(B,150,141)	CKSRYB102K50
	C 347	(B,118,10)	CKSRYF103Z50	C 734	(B,147,135)	CKSRYB102K50
-	C 348	(B,117,9)	CKSRYF104Z25	C 735	(B,140,138)	CKSRYB102K50
	C 349	(B,96,8)	CKSRYF103Z50	C 736	(B,132,147)	CKSRYF104Z25
	2 0.0	(=,00,0)	3	0.00	(=, . ==, /	5
	C 601	(B,53,98)	CKSSYB104K10	C 737	(A,132,132)	CKSRYF104Z25
	C 602	(A,34,97)	CKSSYB104K10	C 738	(A,128,134)	CKSRYF104Z25
	C 603	(B,43,91)	CKSSYB104K10	C 739	(B,131,152)	CKSRYF104Z25
E	C 604	(B,45,91)	CKSSYB104K10	C 740	(B,133,152)	CKSRYF104Z25
	C 605	(B,43,94)	CKSSYB104K10	C 741	(B,137,151)	CKSRYF104Z25
	0 000	(2, 10,01)	CHOCKE IN THE	0 7 11	(2,107,101)	01(01111 101220
	C 606	(A,34,93)	CKSRYB104K50	C 747	(A,79,104)	CEVW100M16
	C 607	(A,36,85)	CKSSYB104K10	C 748	(B,85,89)	CKSSYB103K16
	C 609	(B,147,132)	CKSRYB104K10	C 749	(B,86,92)	CKSQYB225K10
	C 610	(A,123,89)	CKSSYB104K10	C 750	(B,77,107)	CKSRYB102K50
-	C 611	(B,45,93)	CKSSYB104K10	C 751	(B,103,96)	CKSRYB102K50
	0 011	(5, 10,00)	31.03131041110	0 701	(5,100,00)	CITCH DIOTIO
	C 612	(A,132,87)	CKSSYB104K10	C 752	(B,101,95)	CKSRYB104K50
	C 612	(B,53,107)	CKSSYB104K10	C 753	(B,99,95)	CKSRYB104K50
	C 613	(B,58,93)	CKSSYB104K10	C 753	(B,98,93)	CCSRCH5R0C50
	C 614	(B,55,89)	CKSQYB225K10	C 755	(B,93,95)	CCSRCH470J50
F	C 620	,	CKSQYB225K10 CKSRYF104Z25	C 756	,	CKSRYF104Z25
	0 020	(B,45,104)	UNUN 1 F 104220	U /50	(B,94,95)	UNON 1 F 104ZZ3
	C 623	(B,48,88)	CKSSYB104K10	C 757	(A 01 06)	CEVQW470M16
	C 623	(B,48,88) (B,49,104)	CKSRYF104K10 CKSRYF104Z25	C 758	(A,91,96) (B,91,91)	CKSRYB105K6R3
	0 024	(10,43,104)			(וב,וב,ם)	SUBJECT D FOUR
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AVIC-N4/XU/UC

Circ	cuit Symbol and No.	Part No.	Circ	cuit Symbol and No.	Part No.	
C 761	(B,93,108)	CCSRCH220J50	C 830	(B,65,67)	CKSRYB153K50	
C 762	(A,86,96)	CEVW100M16	C 831	(B,62,65)	CCSRCH101J50	
C 762	(B,90,108)	CKSRYF104Z25	C 832	(B,60,64)	CKSRYB104K50	
C 703	(10,90,108)	OKSH11104225	0 632	(0,00,04)	CK3H1D104K30	Α
C 764	(A,100,105)	CEVW221M4	C 833	(B,12,70)	CCSRCH330J50	^
	, ,					
C 765	(A,92,105)	CEVW221M4	C 834	(B,15,70)	CKSRYB105K10	
C 766	(A,85,105)	CEVW221M4	C 835	(B,19,70) 4.7 μF	CCG1111	
C 767	(A,110,104)	CEVW221M4	C 836	(B,14,58)	CKSRYF104Z25	
C 768	(B,96,108)	CKSRYB105K6R3	C 837	(B,8,63) 4.7 μF	CCG1111	
						I
C 769	(A,97,96)	CEVQW470M16	C 838	(B,11,58)	CKSRYF474Z16	_
C 770	(B,93,93)	CKSRYB104K50	C 839	(A,14,45) 220 µF/10 V	CCH1409	
C 771	(A,101,120)	CKSRYB104K50	C 840	(A,16,61) 10 μF	CCG1223	
C 772	(A,97,116)	CEVW101M16	C 841	(B,24,71) 4.7 μF	CCG1111	
C 773	(B,83,121)	CKSQYB225K10	C 842	(B,25,55)	CKSRYB103K50	
C 774	(B,91,121)	CKSQYB225K10	C 843	(B,25,56) 47 pF	CCG1231	В
C 775	(A,94,120)	CKSRYB103K50	C 844	(B,25,60)	CKSRYB105K10	
C 776	(B,104,108)	CKSQYB225K10	C 845	(B,25,61)	CKSRYB103K50	
C 777	(A,85,116)	CEVW101M6R3	C 846	(B,63,71) 4.7 μF	CCG1111	
C 778	(A,91,114)	CEVW220M6R3	C 847	(B,60,54)	CKSRYB103K50	
	,			,		
C 779	(B,82,113)	CKSYF106Z10	C 848	(B,60,56) 47 pF	CCG1231	
C 780	(B,86,109)	CKSQYB225K10	C 849	(B,60,59)	CKSRYB105K10	
C 782	(A,107,121)	CKSRYB104K50	C 850	(B,60,62)	CKSRYB103K50	
C 783	(A,105,116)	CEVW101M16	C 851	(A,19,56) 10 μF	CCG1223	
C 784	(A,104,121)	CKSRYB103K50	C 852	(B,17,48) 4.7 μF	CCG1111	
0 704	(71,104,121)	ONOTTE	0 002	(Β, 17, 40) 4.7 μι	oodiiii	
C 785	(B,103,119)	CKSQYB225K10	C 853	(B,33,52)	CKSRYF474Z16	
C 786	(A,119,116)	CEVW101M6R3	C 854	(B,29,52)	CKSRYF104Z25	С
						· ·
C 787	(A,113,116)	CEVW220M6R3	C 855	(B,29,64)	CKSRYF104Z25	
C 788	(B,87,101)	CKSRYB104K50	C 856	(B,34,63)	CKSRYF474Z16	
C 790	(B,77,116)	CKSRYB104K50	C 857	(B,25,46)	CKSYB475K16	
0.701	(D 70 11 1)	01/01/5400740	0.050	(D.00.50)	01/00/05/17/17/10	
C 791	(B,76,114)	CKSYF106Z10	C 858	(B,68,52)	CKSRYF474Z16	
C 792	(B,99,121)	CKSRYB104K50	C 859	(B,65,52)	CKSRYF104Z25	
C 793	(B,102,123)	CKSYF106Z10	C 860	(B,65,66)	CKSRYF104Z25	
C 794	(B,106,120)	CKSYF106Z10	C 861	(B,68,64)	CKSRYF474Z16	
C 795	(A,79,99)	CKSQYB225K10	C 862	(B,68,44)	CKSYB475K16	
C 796	(A,74,100)	CKSQYB225K10	C 863	(B,77,123)	CKSRYF104Z25	
C 797	(B,117,132)	CKSYB106K6R3	C 864	(B,43,31)	CKSRYB103K50	
C 798	(B,108,118)	CKSRYB104K50	C 865	(A,26,53) 10 μF	CCG1223	D
C 799	(A,75,107)	CCSRCH100D50	C 866	(A,39,28)	CEVLW470M16	
C 800	(B,96,118)	CKSRYB104K50	C 867	(B,41,32)	CKSQYB105K16	
C 803	(B,24,85)	CKSQYB225K10	C 868	(B,37,49) 4.7 μF	CCG1111	
C 809	(A,122,134)	CKSRYB103K50	C 869	(A,48,53) 330 μF/6.3 V	CCH1366	
C 810	(A,121,128)	CEVW101M16	C 870	(B,38,68) 4.7 µF	CCG1111	
C 811	(A,68,69)	CKSRYB104K50	C 871	(A,48,62) 220 µF/10 V	CCH1409	_
C 812	(A,42,80)	CKSRYB103K50	C 872	(A,60,55) 10 μF	CCG1223	
	, , ,			, , , ,		
C 813	(A,48,81)	CEVW101M16	C 873	(A,60,51) 10 μF	CCG1223	
C 814	(A,31,87)	CEVW101M16	C 874	(A,28,100)	CEVW100M16	
C 815	(A,91,53)	CKSRYB103K50	C 875	(B,71,67) 4.7 μF	CCG1111	
C 816	(A,96,53)	CEVW101M16	C 876	(A,83,53) 330 μF/6.3 V	CCH1366	E
C 817	(B,8,54)	CKSRYB273K25	C 877	(B,71,50) 4.7 μF	CCG1111	
0 017	(0,0,04)	OROTTI DETORES	0 011	(Β,71,30) 4.7 μι	oodiiii	
C 818	(B,11,70)	CKSRYB473K50	C 878	(A,84,65) 330 μF/6.3 V	CCH1366	
C 819	(B,8,67)	CCSRCH101J50	C 879	(A,78,127) 220 μF/25 V	CCH1356(P30)	
C 820	(B,7,67)	CKSRYB104K50	C 880	(B,86,141)	CKSQYB104K16	
C 821	(B,29,48)	CKSRYB473K50	C 881	(A,81,136) 2 200 μF/16 V	CCH1405(P30)	
C 822	(B,27,51)	CCSRCH101J50	C 882	(A,71,113)	CEVW101M16	
0.000	(D OF FO)	OKODYD404K50	0.000	(D 22 00)	OKODYD400KEC	
C 823	(B,25,52)	CKSRYB104K50	C 883	(B,33,89)	CKSRYB103K50	
C 824	(B,29,68)	CKSRYB223K50	C 884	(A,72,82)	CEVW101M6R3	
C 825	(B,27,65)	CCSRCH101J50	C 885	(A,69,91)	CKSRYF104Z25	
C 826	(B,25,64)	CKSRYB104K50	C 886	(A,27,94)	CEVW100M16	F
C 827	(B,65,49)	CKSRYB153K50	C 887	(A,76,88)	CKSRYF104Z25	•
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C 828	(B,62,51)	CCSRCH101J50	C 888	(B,108,138)	CKSRYB103K50	
C 829	(B,60,52)	CKSRYB104K50	C 889	(B,113,140)	CKSRYB103K50	
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	Circ	cuit Symbol and No.	Part No.	<u>Ci</u>	rcuit Symbol and No.	Part No.
	C 890	(B,117,140)	CKSRYF104Z25	C 2421	(B,110,105)	CKSRYB103K50
	C 891	(B,147,120)	CKSRYB104K50	C 2422	(B,138,137)	CCSRCH151J50
	C 892	(B,68,98)	CKSRYB103K50	C 2423	(B,138,123)	CCSRCH151J50
Α						
	C 893	(A,59,103)	CEVW101M16	C 2424	(B,111,107)	CCSRCH221J50
	C 894	(B,59,104)	CKSRYB103K50	C 2425	(B,135,135)	CCSRCH330J50
	C 895	(B,30,89)	CKSRYB104K50	C 2426 C 2428	(B,134,125)	CCSRCH330J50
	C 896 C 897	(A,117,137) (A,114,127)	CKSRYB103K50 CEVW101M16	C 2428	(B,118,111) (B,114,102)	CKSRYF104Z25 CKSQYB105K16
_	0 007	(4,114,127)	OLVWIONNIO	0 2423	(0,114,102)	ONOQIDIOONIO
	C 898	(A,83,122)	CKSQYB104K16	C 2431	(B,111,112)	CCSRCH471J50
	C 899	(A,87,127) 220 µF/25 V	CCH1356(P30)	C 2432	(B,136,130)	CKSRYF104Z25
	C 900	(B,89,132)	CKSQYB104K16	C 2433	(A,136,127)	CEVQW220M16
	C 901	(B,106,140)	CKSRYB103K50	C 2434	(B,137,134)	CKSRYB105K6R3
	C 903	(A,150,128) 10 000 μF/16	V CCH1664(P30)	C 2435	(B,137,126)	CKSRYB105K6R3
_						
В	C 904	(B,59,151)	CKSRYB104K50	C 2436	(B,118,113)	CKSRYB105K6R3
	C 905	(A,67,103)	CEVW101M16	C 2437	(A,150,105)	CKSRYB102K50
	C 906 C 907	(A,57,110) (A,57,113)	CKSRYF104Z25 CKSRYB473K50	C 2441 C 2442	(A,143,104) (B,137,125)	CKSRYB105K6R3 CKSRYB105K6R3
	C 907	(B,60,133)	CKSRYF103Z50	C 2442	(B,137,125) (B,137,132)	CKSRYB105K6R3
	0 300	(5,00,100)	OROTTT 100200	0 2440	(0,107,102)	OKONIDIOSKONO
	C 909	(A,101,137)	CKSRYF104Z25	C 2444	(A,143,110)	CKSRYB105K6R3
	C 910	(B,58,134)	CKSRYB104K50	C 2445	(A,146,97)	CEVW470M16
	C 914	(A,81,147)	CKSRYF104Z25	C 2446	(A,143,102)	CKSRYB105K6R3
	C 916	(B,53,131)	CKSQYF104Z25	C 2447	(A,147,102)	CKSRYB104K50
	C 919	(B,68,93)	CKSRYB104K50	C 2448	(A,142,112)	CKSRYB105K6R3
	_			_		
С	C 920	(B,120,139)	CKSRYF104Z25	C 2453	(A,140,97)	CKSYB475K16
C	C 950	(B,17,55) 4.7 μF	CCG1111	C 2456	(A,140,116)	CKSYB475K16
	C 951	(B,17,51) 4.7 μF	CCG1111 CCG1111	C 2457 C 2458	(A,137,97)	CKSYB475K16
	C 953 C 954	(B,33,49) 4.7 μF (A,31,50) 10 μF	CCG1111 CCG1223	C 2459	(A,137,116) (A,134,97)	CKSYB475K16 CKSYB475K16
	0 934	(Α,51,50) 10 μι	0001223	0 2439	(A, 154,97)	ONO 1 D47 31(10
	C 955	(B,34,68) 4.7 μF	CCG1111	C 2460	(A,134,116)	CKSYB475K16
	C 956	(A,31,56) 10 µF	CCG1223	C 2461	(B,155,91)	CKSRYB332K50
	C 957	(A,64,54) 10 μF	CCG1223	C 2462	(A,132,97)	CKSYB475K16
	C 958	(A,64,49) 4.7 μF	CCG1111	C 2463	(A,132,116)	CKSYB475K16
	C 959	(A,67,54) 10 μF	CCG1223	C 2464	(B,152,91)	CKSRYB474K10
		(4.2-42) (2-4			(5.445.55)	01/07/7
	C 960	(A,67,49) 4.7 μF	CCG1111	C 2465	(B,149,89)	CKSRYB104K50
D	C 961 C 963	(A,80,149)	CKSRYF104Z25 CKSRYB104K50	C 2466 C 2467	(A,126,109) (A,126,110)	CKSRYB104K50 CKSRYB104K50
	C 963	(B,53,148) (B,53,150)	CKSRYB105K10	C 2467	(A,126,110) (A,126,112)	CCSRCH100D50
	C 971	(B,15,122)	CKSRYB222K50	C 2469	(B,149,86)	CKSRYB104K50
		(=, -=, -==,			(=,:::,::)	
	C 972	(B,16,124)	CKSRYB474K10	C 2470	(A,126,95)	CCSRCH100D50
	C 973	(B,7,122)	CKSQYB105K16	C 2471	(B,145,82)	CKSRYB104K50
	C 974	(A,12,113)	CKSQYB103K50	C 2472	(A,129,115)	CCSRCH100D50
	C 975	(A,17,123)	CEVQW470M16	C 2473	(B,147,86)	CKSRYB104K50
	C 983	(B,74,34)	CKSRYB103K50	C 2474	(A,126,96)	CCSRCH100D50
	C 984	(B 72 34)	CKSRYF104Z25	C 2475	(A,128,118)	CCSRCH100D50
	C 984 C 985	(B,72,34) (B,63,34)	CKSRYB104Z25 CKSRYB103K50	C 2475	(A,128,118) (A,126,99)	CCSRCH100D50 CCSRCH100D50
	C 986	(B,61,34)	CKSRYF104Z25	C 2479	(A,126,88)	CEVW101M10
Ε	C 987	(A,91,81)	CKSRYB103K50	C 2480	(A,122,102)	CEVW101M10
	C 988	(A,92,81)	CKSRYF104Z25	C 2481	(A,149,88)	CEVW101M10
		, , ,			, ,	
	C 989	(A,91,84)	CKSRYB103K50	C 2482	(B,154,81)	CKSRYB222K50
	C 990	(A,92,84)	CKSRYF104Z25	C 2483	(B,137,100) 10 μF	CCG1138
_	C 998	(B,26,93)	CKSRYF104Z25	C 2484	(B,138,103)	CKSRYB105K6R3
	C 999	(B,29,92)	CKSRYB103K50	C 2485	(B,140,118) 10 μF	CCG1138
	C 2404	(B,115,89)	CKSRYB104K50	C 2486	(B,138,115)	CKSRYB105K6R3
	C 2407	(B,112,92)	CKSRYB104K50	C 2487	(B,141,104)	CCSRCH101J50
	C 2407	(A,128,127)	CEVW101M6R3	C 2488	(B,141,104) (B,141,114)	CCSRCH101J50
	C 2412	(B,129,136)	CKSRYB105K10	C 2489	(B,131,100)	CKSRYB104K50
_	C 2414	(B,128,124)	CKSRYB105K10	C 2490	(B,147,104)	CCSRCH101J50
F	C 2418	(B,120,124) (B,107,105)	CKSRYB105K6R3	C 2491	(B,147,114)	CCSRCH101J50
	-	• • • •			• • • • •	
	C 2419	(B,131,136)	CCSRCH470J50	C 2492	(B,149,108)	CKSRYB104K50
	C 2420	(B,131,124)	CCSRCH470J50	C 2493	(A,153,104)	CEVW100M16
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Circ	cuit Symbol and No.	Part No.	Circ	uit Symbol and No.	Part No.	
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C 2494	(B,33,124)	CKSQYB105K16	D 4079	(A,151,4) LED	CL-197HB1-D(CDE	,
C 2495	(B,29,141)	CKSQYB105K16	D 4080	(A,163,4) LED	CL-197HB1-D(CDE	Ξ)
C 2496	(B,33,126)	CKSRYB105K10	L 4001	(B,94,14) Inductor	CTF1473	•
	(=,==, ===)			(=,= :,: :, :::===:::	•	Α
C 0407	(B,32,142)	CKCDVB10EK10	C 4001	(A 1EC 10) Duch Curitah	CSG1155	,,
C 2497	( ' ' '	CKSRYB105K10	S 4031	(A,156,19) Push Switch		
C 2498	(B,28,139)	CKSQYB105K16	S 4032	(A,14,11) Encoder	CSD1140	
C 2499	(B,37,124)	CKSQYB105K16	S 4033	(A,160,6) Push Switch	CSG1155	
C 2500	(B,31,139)	CKSRYB105K10	S 4034	(A,132,6) Push Switch	CSG1155	
C 2501	(B,37,126)	CKSRYB105K10	S 4035	(A,106,6) Push Switch	CSG1155	
0 2001	(0,07,120)	CHOILIBICOLLIC	0 4000	(71, 100,0) 1 don ownon	0001100	
0.0500	(4.04.405) 0.000 5/401/	00114 405 (D00)	0. 4000	(A 454 0) D 1 0 " 1	0004455	
C 2503	(A,64,125) 2 200 μF/16 V	CCH1405(P30)	S 4036	(A,154,6) Push Switch	CSG1155	
C 2504	(A,70,131) 10 μF	CCG1138	S 4037	(A,119,6) Push Switch	CSG1155	
C 2505	(B,41,139)	CKSRYB104K50	LCD4001	(A,30,15) LCD	CAW1950	
C 2506	(A,17,129)	CEVW100M16	202 .00.	(. 1,00,10)	07.111.000	
			550,070	50		
C 2507	(B,37,141)	CKSYB475K16	<u>RESISTO</u>	<u>'RS</u>		
C 2508	(B,37,139)	CKSYB475K16	R 4001	(B,102,6)	RS1/16S221J	В
C 2509	(A,51,130)	CEVW330M25	R 4002		RS1/16S221J	
				(B,102,5)		
C 2510	(A,45,137)	CKSRYB473K50	R 4003	(B,89,4)	RS1/16S221J	
C 2511	(B,30,117)	CKSSYF104Z16	R 4004	(B,89,6)	RS1/16S473J	
C 2551	(B,10,140)	CKSRYB104K50	R 4005	(B,86,8)	RS1/16S393J	
	( , , , ,		11 4005	(15,00,0)	1101/1000000	
C 2552	(A,10,141)	CCSRCH150J50	B ::	(D.07.40)	D04/40046::	
	·		R 4021	(B,97,10)	RS1/16S101J	
C 2556	(B,130,119)	CKSSYB104K10	R 4022	(B,96,13)	RS1/16S470J	
C 2557	(B,129,118)	CKSSYB103K16	R 4031	(B,33,8)	RS1/16S472J	
C 2558	(B,136,117)	CKSRYB103K50				
	,		R 4033	(B,158,15)	RS1/16S0R0J	
C 2707	(B,40,23)	CKSRYF104Z25	R 4034	(B,158,10)	RS1/16S392J	
C 2710	(A,38,20)	CKSRYB104K50	R 4035	(B,29,11)	RS1/16S123J	
C 2711	(B,39,88)	CKSRYF104Z25	R 4036	(B,152,7)	RS1/16S122J	С
C 2713	(A,41,20)	CKSRYB104K50				
0 2/13	(A,41,20)	CK3H1B104K30	R 4037	(B,154,6)	RS1/16S222J	
			R 4041	(A,94,14)	RS1/16S391J	
В			R 4042	(B,97,14)	RS1/16S391J	
В			11 4042	(0,07,14)	1101/1000010	
Unit Nu	mhori					
Ullit Nu	mber:		R 4051	(B,17,7)	RS1/16S271J	
Unit Na	me : Keyboard L	Init	R 4052	(B,17,10)	RS1/16S271J	
Omit Ma	ilie . Reyboard c	71110	R 4053	(B,15,19)	RS1/16S271J	_
MISCELL	.ANEOUS		R 4054	(B,18,16)	RS1/16S271J	
MICOLLE	ANLOGO		R 4055	(B,151,9)	RS1/16S101J	
IC 4001	(B,79,9) IC	LC75836WS	R 4056	(B,154,11)	RS1/16S221J	
IC 4021	(A,100,10) IC	SBX3050-01	R 4057		RS1/16S101J	
Q 4041	(B,100,13) Digital Transisto	r DTC143FUA		(B,158,8)		D
	· · · / •		R 4058	(B,156,9)	RS1/16S221J	
D 4001	(A,143,6) Diode	MALS068X	R 4071	(B,10,7)	RS1/16S151J	
D 4002	(A,138,8) Diode	MALS068X	R 4072	(B,13,8)	RS1/16S101J	
			11 1072	(2,10,0)	1101/1001010	
D 4003	(A,142,8) Diode	MALS068X	D 4070	(D 10 10)	D04/4004E4 I	
D 4021	(A,126,8) Diode	UDZS5R6(B)	R 4073	(B,12,19)	RS1/16S151J	
	,		R 4074	(B,16,16)	RS1/16S101J	
D 4041	(B,107,6) Diode	DAN202U	R 4075	(B,111,7)	RS1/16S151J	
D 4042	(A,94,9) White LED	NESW505C-5273	R 4076	(B,111,10)	RS1/16S101J	
D 4051	(A,21,4) LED	CL-195SR-CD				
	( ,_ ,, ) ===		R 4077	(B,156,19)	RS1/16S151J	
D 4052	(A 6 5) LED	CL-195SR-CD				
	(A,6,5) LED		R 4078	(B,156,18)	RS1/16S101J	
D 4053	(A,22,17) LED	CL-195SR-CD	R 4079	(B,158,14)	RS1/16S151J	
D 4054	(A,6,18) LED	CL-195SR-CD	R 4080	(B,156,14)	RS1/16S101J	
D 4055	(A,110,6) LED	CL-195SR-CD				E
			R 4093	(B,156,6)	RS1/16S0R0J	
D 4056	(A,122,6) LED	CL-195SR-CD	R 4094	(B,152,4)	RS1/16S0R0J	
_		<b>.</b>				
D 4057	(A,135,6) LED	CL-195SR-CD	CAPACIT	ORS		
D 4058	(A,146,20) LED	CL-195SR-CD	CAFACII	<u> </u>		
D 4059	(A,151,6) LED	CL-195SR-CD				
			C 4001	(B,88,8)	CCSRCH102J25	_
D 4060	(A,163,7) LED	CL-195SR-CD	C 4002	(B,90,7)	CKSRYB104K50	
D 4071	(A,21,3) LED	CL-197HB1-D(CDE)		• • • •		
		•	C 4003	(B,90,9)	CKSRYB104K50	
D 4072	(A,4,5) LED	CL-197HB1-D(CDE)	C 4004	(B,87,10) 10 μF	CCG1171	
		, ,	C 4021	(B,100,9) 10 µF	CCG1171	
D 4073	(A,23,17) LED	CL-197HB1-D(CDE)	-			
D 4074	(A,5,18) LED	CL-197HB1-D(CDE)		(D.04.0)	01/05/5 /5 /5	
D 4075	(A,110,4) LED	CL-197HB1-D(CDE)	C 4041	(B,94,9)	CKSRYB104K50	
		, ,	C 4071	(B,19,5)	CKSRYB104K50	F
D 4076	(A,122,4) LED	CL-197HB1-D(CDE)	C 4072	(B,10,4)	CKSRYB104K50	
D 4077	(A,135,4) LED	CL-197HB1-D(CDE)	C 4073	(B,26,14)	CKSRYB104K50	
D 4078	(A,146,19) LED	CL-197HB1-D(CDE)	C 4074	(B,10,19)	CKSRYB104K50	
D 40/0	(A,140,18) LED	OL-19/1101-D(ODE)				
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	Circ	uit Syml	ool and No.	Part No.		Cir	cuit Symbol a	nd No. Part No.
	<u> </u>	uit Oyiiii	<del>Joi alla 1101</del>	<u>- a.c. 1101</u>			-	
	_					X 502	,	iator 20.00 MHz CSS1549
	C 4075	(A,112,8)		CKSRYB104K50		X 532	(A,58,15) Radi	iator 4.332 MHz(EW5) CSS1550
	C 4076	(A, 128, 5)	1	CKSRYB104K50				
Α	C 4077	(A,138,5)	1	CKSRYB104K50		F 401	(A,23,23) Filter	r CTF1548
	C 4078	(B,151,15	5)	CKSRYB104K50				
	C 4079	(A,148,5)		CKSRYB104K50	F	RESIST	ORS	
		( , -,-,			-		<u> </u>	
	C 4080	(B,159,12	2)	CKSRYB104K50		D 404	(D 44 00)	DC1/10001701
	0 4000	(D, 100, 12	-)	01011111104100		R 401	(B,11,26)	RS1/16SS472J
						R 402	(B,12,30)	RS1/16SS472J
	C					R 403	(B,14,32)	RS1/16SS122J
			014/40500/1	10)		R 404	(B,14,30)	RS1/16SS622J
	Unit Nui	mber:	CWX3533(l	JC)		R 405	(A,23,26)	RS1/16SS100J
	Unit Nu	mber:	CWX3534(E	EW5)				
			•	,		R 406	(B,27,29)	RS1/16S271J
	<b>Unit Nar</b>	me :	GPS Unit			R 407	(B,25,18)	RS1/16S2R2J
						R 441	(A,30,27)	RN1/16SC10R0D
В	<b>MISCELL</b>	ANEOUS	3			R 442	(B,33,24)	RN1/16SE1501D
			=			R 443	(B,31,24)	RN1/16SE2402D
	IC 401	(A,25,16)	LIC.	UPC2749T			(2,01,21)	11117 10022 1028
	IC 401	(B,20,27)				R 444	(B,31,26)	RN1/16SE3302D
				UPB1027GS				
	IC 441	(A,33,30)		NJM2100V		R 445	(B,32,33)	RN1/16SE4702D
_	IC 461	(B,29,10)		ADC12H034CIMSAS1		R 446	(B,30,32)	RN1/16SE4702D
	IC 501	(B,50,25)	IC .	PD3390A		R 447	(A,33,25)	RS1/16S432J
						R 448	(B,32,30)	RN1/16SE1002D
	IC 502	(B,48,9)	, ,	PEH100A8				
		,	IC(EW5)	PEH101A8		R 449	(B,33,32)	RN1/16SE2202D
	IC 503	(A,50,29)	IC .	M5M5V216ATP-70HI		R 450	(B,32,32)	RN1/16SE3302D
	IC 504	(A,31,14)	IC	MAX6364PUT29		R 451	(A,29,32)	RS1/16S103J
_	IC 532	(A,47,15)	IC(EW5)	LC72720YVSS1		R 452	(B,34,27)	RS1/16SS102J
С	Q 441	(A,32,22)	Transistor	2SB1132		R 454	(B,34,26)	RS1/16SS102J
		, , , ,						
	D 401	(B,11,27)	Diode	1SV314		R 460	(B,22,13)	RS1/16S0R0J
	D 501	(B,35,30)		RB751V-40		R 461	(A,37,5)	RS1/16SS102J
	L 401		Inductor	CTF1549		R 462	(A,38,9)	RS1/16SS102J
	L 402	,	Inductor	LCYC1R2K1608		R 463	(B,36,12)	RAB4CQ102J
	L 402 L 403	,	Inductor	LCYC1R2K1608		R 464	(A,35,12)	RAB4CQ333J
	L 403	(0,27,20)	inductor	LOTOTHZKTOOS		11 404	(A,33,12)	TIAD40Q3333
	1 404	(4.04.00)	Industry	LCCAONOD1600		R 465	(A,39,8)	RS1/16SS102J
	L 404		Inductor	LCSA3N3R1608				
	L 405		Inductor	LCYB22NJ1608		R 468	(A,58,8) (EW5)	•
	L 406	,	Inductor	LCYB22NJ1608		R 469	(A,58,6) (EW5)	
	L 407	,	Inductor	CTF1410		R 470	(B,35,7)	RAB4CQ471J
D	L 408	(B,26,31)	Inductor(UC)	CTF1556		R 471	(B,35,4)	RAB4CQ104J
_		(B,26,31)	Inductor(EW5)	CTF1410				
						R 477	(B,31,17)	RS1/16SS222J
	L 409	,	Inductor	LCYC1R0K2125		R 478	(B,30,16)	RS1/16SS222J
	L 410	(B,26,17)	Inductor	CTF1547		R 479	(B,28,15)	RS1/16SS222J
	L 412	(A,25,27)	Inductor	CTF1547		R 480	(B,29,17)	RS1/16SS332J
	L 413	(A,25,26)	Inductor	CTF1547		R 481	(B,30,17)	RS1/16SS332J
	L 414	(A,25,32)	Inductor	CTF1547				
		,				R 482	(A,38,6)	RS1/16SS223J
	L 415	(A,26,29)	Inductor	CTF1547		R 483	(A,38,5)	RS1/16SS473J
	L 416	,	Inductor	CTF1547		R 501	(B,39,27)	RS1/16SS0R0J
	L 417	,	Inductor	CTF1547		R 502	(B,38,29)	RS1/16SS102J
	L 418		Inductor	CTF1410		R 503	(B,39,26)	RS1/16SS154J
	L 441	,	Inductor	CTF1410		11 000	(0,00,20)	1101/10001040
Е	L 441	(0,32,20)	inductor	C11-1410		R 508	(B,60,14) (UC)	) RS1/16SS103J
	1 440	(4 00 05)	Landon de la co	OTE4440		n 300		
	L 442	,	Inductor	CTF1410		D 500	(B,60,14) (EW	,
	L 461	(A,29,9)		CTF1410		R 509	(B,34,15)	RS1/16SS473J
	L 462	(A,31,8)		CTF1410		R 510	(A,38,7)	RS1/16SS102J
	L 467		Inductor	CTF1547		R 511	(A,34,19)	RS1/16SS103J
	L 468	(B,32,17)	Inductor	CTF1547		R 512	(B,39,30)	RS1/16SS473J
	L 469	(A,32,11)	Inductor	CTF1410		R 513	(B,60,16)	RS1/16SS103J
	L 501	(B,38,17)	Inductor	CTF1410		R 514	(B,39,29)	RS1/16SS473J
	L 502	,	Inductor	CTF1410		R 515	(A,30,12)	RS1/16SS473J
	L 503	(B,59,6)		CTF1410		R 517	(B,39,22)	RS1/16SS103J
	L 504	,	Inductor	CTF1410		R 519	(B,39,21)	RS1/16SS473J
_	2 304	(* 1,00,00)		-11 1110			\_, <b></b> .,	
F	L 531	(A 53 17)	Inductor	CTF1410		R 521	(B,37,29)	RS1/16SS473J
	X 401	,	TCXO 16.368 M			R 532	(A,43,10) (EW	
	X 401 X 501	,	Radiator 32.768			R 533	(A,40,18) (UC)	
	V 201	(∧,30,∠0)	i inauidi∪i 3∠./08	NI 12 000 10 19			(7,40,10) (00)	, 1131/10331033

AVIC-N4/XU/UC

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<u> </u>	cuit Symbol and No.	Part No.	Circ	cuit Symbol and No.	Part No.
	•				
	(A,40,18) (EW5)	RS1/16SS332J	C 471	(B,37,6)	CCSSCH101J50
534	(A,41,19)	RS1/16SS103J	C 501	(B,39,19)	CKSSYB104K10
R 535	(A,38,13)	RS1/16SS103J	C 502	(B,37,22)	CCSRCH150J50
			C 503	(B,38,22)	CCSRCH150J50
R 536	(A,39,18)	RS1/16SS0R0J			
R 537	(A,38,15) (EW5)	RS1/16S0R0J	C 504	(B,40,17)	CKSSYB104K10
R 538	(A,38,17) (EW5)	RS1/16SS0R0J	C 506	(B,60,19)	CKSSYB104K10
1 330	(A,36,17) (EVV3)	H31/10330H03		,	
			C 507	(B,60,21)	CKSSYB104K10
APACI	<u>TORS</u>		C 508	(B,60,26)	CKSSYB104K10
			C 509	(B,60,30)	CKSSYB104K10
401	(A,25,13)	CCSRCH100D50			
402	(A,24,20)	CCSSCH101J50	C 511	(B,41,34)	CKSSYB104K10
2 403			C 512	(B,38,31)	CKSSYB104K10
	(A,27,16)	CKSSYB104K10	C 514	(A,31,17)	CSZS100M6R3
404	(A,20,24)	CCSSCH101J50	C 515		
405	(B,14,27)	CCSRUJ220J50		(B,39,24)	CKSSYB104K10
			C 516	(B,59,11)	CKSSYB104K10
406	(B,14,29)	CCSRUJ220J50			
407	(B,13,32)	CKSSYB333K16	C 517	(A,51,21)	CKSSYB104K10
			C 518	(A,39,32)	CKSSYB104K10
408	(B,12,32)	CKSSYB182K50	C 535	(A,55,15) (EW5)	CSZS100M6R3
409	(A,21,29)	CSZS100M6R3		, , , ,	
410	(B,28,32)	CKSSYB103K16	C 539	(A,55,19) (EW5)	CCSRCH100D50
			C 540	(A,53,12) (EW5)	CCSRCH100D50
411	(A,21,27)	CKSSYB102K50			
412	(A,21,28)	CKSSYB102K50	C 541	(A,47,10) (EW5)	CCSRCH561J50
2 413	(A,21,20) (A,20,31)	CKSSYB102K30	C 542	(A,45,10) (EW5)	CKSSYB104K10
			C 543	(A,40,12) (EW5)	CSZS100M6R3
414	(A,24,32)	CKSSYB104K10	C 544	, , , ,	CCSRCH331J50
415	(A,25,30)	CKSSYB104K10		(A,50,10) (EW5)	
			C 545	(A,53,15) (EW5)	CKSSYB104K10
416	(A,24,28)	CKSSYB104K10			
417	(B,25,22)	CKSSYB104K10	GH		
418	(A,21,32)	CKSSYB102K50			
2 419	(B,39,32)	CKSSYB102K30			
	· · · /		Monitor l	Init	
420	(A,14,32)	CKSSYB104K10			
			<u>Consists</u>	<u>ot</u>	
421	(B,26,27)	CKSSYB102K50	Monitor F	PCB	
422	(B,25,26)	CKSSYB103K16			
		CKSSYB103K10	<u>Upper PC</u>	<u>;R</u>	
122		UNUU I UU4N IU			
	(B,26,24)				
424	(B,27,22)	CCSRCH102J50	11	mharra OMAIGGG	
424			Unit Nu	mber: CWN2304	
2 424 2 425	(B,27,22) (B,29,23)	CCSRCH102J50 CCSRCH271J50			nit
2 424 2 425	(B,27,22)	CCSRCH102J50 CCSRCH271J50 CCSRCH102J50	Unit Nu Unit Na		nit
424 425 426	(B,27,22) (B,29,23)	CCSRCH102J50 CCSRCH271J50	Unit Na	me : Monitor Ur	nit
424 425 426 427	(B,27,22) (B,29,23) (B,28,26) (B,25,25)	CCSRCH102J50 CCSRCH271J50 CCSRCH102J50 CKSSYB104K10	Unit Na		nit
424 425 426 426 427 428	(B,27,22) (B,29,23) (B,28,26) (B,25,25) (B,15,24)	CCSRCH102J50 CCSRCH271J50 CCSRCH102J50 CKSSYB104K10 CKSSYB103K16	Unit Na	me : Monitor Ur	nit
2 424 2 425 2 426 2 427 2 428 2 429	(B,27,22) (B,29,23) (B,28,26) (B,25,25) (B,15,24) (B,12,24)	CCSRCH102J50 CCSRCH271J50 CCSRCH102J50 CKSSYB104K10 CKSSYB103K16 CCSRCH301J50	Unit Na MISCELL	me : Monitor Ur . <u>ANEOUS</u>	
2 424 2 425 2 426 2 427 2 428 2 429	(B,27,22) (B,29,23) (B,28,26) (B,25,25) (B,15,24)	CCSRCH102J50 CCSRCH271J50 CCSRCH102J50 CKSSYB104K10 CKSSYB103K16	Unit Na  MISCELL IC 5101	me : Monitor Ur  ANEOUS  (A,66,94) IC	S-1131B15UC-N4A
2 424 2 425 2 426 2 427 2 428 2 429 2 430	(B,27,22) (B,29,23) (B,28,26) (B,25,25) (B,15,24) (B,12,24) (B,13,22)	CCSRCH102J50 CCSRCH271J50 CCSRCH102J50 CKSSYB104K10 CKSSYB103K16 CCSRCH301J50 CCSSCH120J50	Unit Na  MISCELL IC 5101 IC 5102	me : Monitor Ur  _ANEOUS  (A,66,94) IC (A,66,99) IC	S-1131B15UC-N4A S-1131B25UC-N4K
2 424 2 425 2 426 2 427 2 428 2 429 2 430	(B,27,22) (B,29,23) (B,28,26) (B,25,25) (B,15,24) (B,12,24)	CCSRCH102J50 CCSRCH271J50 CCSRCH102J50 CKSSYB104K10 CKSSYB103K16 CCSRCH301J50	Unit Na  MISCELL  IC 5101 IC 5102 IC 5103	me : Monitor Ur  _ANEOUS  (A,66,94) IC (A,66,99) IC (A,74,75) IC	S-1131B15UC-N4A S-1131B25UC-N4K BD6171KV
2 424 2 425 2 426 2 427 2 428 2 429 2 430 2 431	(B,27,22) (B,29,23) (B,28,26) (B,25,25) (B,15,24) (B,12,24) (B,13,22) (B,14,20)	CCSRCH102J50 CCSRCH271J50 CCSRCH102J50 CKSSYB104K10 CKSSYB103K16 CCSRCH301J50 CCSSCH120J50	Unit Na  MISCELL IC 5101 IC 5102	me : Monitor Ur  _ANEOUS  (A,66,94) IC (A,66,99) IC	S-1131B15UC-N4A S-1131B25UC-N4K
2 424 2 425 2 426 2 427 2 428 2 429 2 430 2 431 2 432	(B,27,22) (B,29,23) (B,28,26) (B,25,25) (B,15,24) (B,12,24) (B,13,22) (B,14,20) (B,16,22)	CCSRCH102J50 CCSRCH271J50 CCSRCH102J50 CKSSYB104K10 CKSSYB103K16 CCSRCH301J50 CCSSCH120J50 CCSRCH301J50 CKSSYB103K16	Unit Na  MISCELL  IC 5101 IC 5102 IC 5103	me : Monitor Ur  _ANEOUS  (A,66,94) IC (A,66,99) IC (A,74,75) IC	S-1131B15UC-N4A S-1131B25UC-N4K BD6171KV
2 424 2 425 2 426 2 427 2 428 2 429 2 430 2 431 2 432 2 433	(B,27,22) (B,29,23) (B,28,26) (B,25,25) (B,15,24) (B,12,24) (B,13,22) (B,14,20) (B,16,22) (B,19,9)	CCSRCH102J50 CCSRCH271J50 CCSRCH102J50 CKSSYB104K10 CKSSYB103K16 CCSRCH301J50 CCSSCH120J50 CCSRCH301J50 CKSSYB103K16 CCSRCH101J50	Unit Na  MISCELL  IC 5101 IC 5102 IC 5103 IC 5201	me : Monitor Ur  ANEOUS  (A,66,94) IC (A,66,99) IC (A,74,75) IC (A,66,34) IC	S-1131B15UC-N4A S-1131B25UC-N4K BD6171KV TA78L05F
2 424 2 425 2 426 2 427 2 428 2 429 2 430 2 431 2 432 2 433 2 433 2 434	(B,27,22) (B,29,23) (B,28,26) (B,25,25) (B,15,24) (B,12,24) (B,13,22) (B,14,20) (B,16,22) (B,19,9) (B,19,14)	CCSRCH102J50 CCSRCH271J50 CCSRCH102J50 CKSSYB104K10 CKSSYB103K16 CCSRCH301J50 CCSSCH120J50 CCSRCH301J50 CKSSYB103K16 CCSRCH101J50 CKSSYB102K50	Unit Na  MISCELL  IC 5101 IC 5102 IC 5103 IC 5201 IC 5202	me : Monitor Ur  ANEOUS  (A,66,94) IC (A,66,99) IC (A,74,75) IC (A,66,34) IC (A,46,32) IC	S-1131B15UC-N4A S-1131B25UC-N4K BD6171KV TA78L05F TC7SH08FUS1
2 424 2 425 2 426 2 427 2 428 2 429 2 430 2 431 2 432 2 433 2 433	(B,27,22) (B,29,23) (B,28,26) (B,25,25) (B,15,24) (B,12,24) (B,13,22) (B,14,20) (B,16,22) (B,19,9)	CCSRCH102J50 CCSRCH271J50 CCSRCH102J50 CKSSYB104K10 CKSSYB103K16 CCSRCH301J50 CCSSCH120J50 CCSRCH301J50 CKSSYB103K16 CCSRCH101J50	Unit Na  MISCELL  IC 5101 IC 5102 IC 5103 IC 5201 IC 5202 IC 5203	me : Monitor Ur  ANEOUS  (A,66,94) IC (A,66,99) IC (A,74,75) IC (A,66,34) IC (A,46,32) IC (A,46,32) IC	S-1131B15UC-N4A S-1131B25UC-N4K BD6171KV TA78L05F TC7SH08FUS1 TC7SH08FUS1
2 424 2 425 3 426 3 427 3 428 3 429 3 430 3 431 3 432 3 433 3 434 3 435	(B,27,22) (B,29,23) (B,28,26) (B,25,25) (B,15,24) (B,12,24) (B,13,22) (B,14,20) (B,16,22) (B,19,9) (B,19,14) (B,20,14)	CCSRCH102J50 CCSRCH271J50 CCSRCH102J50 CKSSYB104K10 CKSSYB103K16 CCSRCH301J50 CCSSCH120J50 CCSRCH301J50 CKSSYB103K16 CCSRCH101J50 CKSSYB102K50 CKSSYB103K16	Unit Na  MISCELL  IC 5101 IC 5102 IC 5103 IC 5201 IC 5202 IC 5203 IC 5204	me : Monitor Ur  ANEOUS  (A,66,94) IC (A,66,99) IC (A,74,75) IC (A,66,34) IC (A,46,32) IC  (A,46,32) IC (A,46,81) IC	S-1131B15UC-N4A S-1131B25UC-N4K BD6171KV TA78L05F TC7SH08FUS1 TC7SH08FUS1 OZ961ISN
2 424 2 425 2 426 2 427 2 428 2 429 2 430 2 431 2 432 2 433 2 434 2 435	(B,27,22) (B,29,23) (B,28,26) (B,25,25) (B,15,24) (B,12,24) (B,13,22) (B,14,20) (B,16,22) (B,19,9) (B,19,14)	CCSRCH102J50 CCSRCH271J50 CCSRCH102J50 CKSSYB104K10 CKSSYB103K16 CCSRCH301J50 CCSSCH120J50 CCSRCH301J50 CKSSYB103K16 CCSRCH101J50 CKSSYB102K50	Unit Na  MISCELL  IC 5101 IC 5102 IC 5103 IC 5201 IC 5202 IC 5203 IC 5204 IC 5331	me : Monitor Ur  ANEOUS  (A,66,94) IC (A,66,99) IC (A,74,75) IC (A,66,34) IC (A,46,32) IC  (A,46,27) IC (A,46,18) IC (A,85,109) IC	S-1131B15UC-N4A S-1131B25UC-N4K BD6171KV TA78L05F TC7SH08FUS1 TC7SH08FUS1 OZ961ISN TC7SH08FUS1
2 424 2 425 2 426 2 427 2 428 2 429 2 430 2 431 2 432 2 433 2 434 2 435 2 436	(B,27,22) (B,29,23) (B,28,26) (B,25,25) (B,15,24) (B,12,24) (B,13,22) (B,14,20) (B,16,22) (B,19,9) (B,19,14) (B,20,14)	CCSRCH102J50 CCSRCH271J50 CCSRCH102J50 CKSSYB104K10 CKSSYB103K16 CCSRCH301J50 CCSSCH120J50 CCSRCH301J50 CKSSYB103K16 CCSRCH101J50 CKSSYB102K50 CKSSYB103K16	Unit Na  MISCELL  IC 5101 IC 5102 IC 5103 IC 5201 IC 5202 IC 5203 IC 5204	me : Monitor Ur  ANEOUS  (A,66,94) IC (A,66,99) IC (A,74,75) IC (A,66,34) IC (A,46,32) IC  (A,46,32) IC (A,46,81) IC	S-1131B15UC-N4A S-1131B25UC-N4K BD6171KV TA78L05F TC7SH08FUS1 TC7SH08FUS1 OZ961ISN
2 424 2 425 2 426 2 427 2 428 2 429 2 430 2 431 2 432 2 433 2 434 2 435 2 436 2 441	(B,27,22) (B,29,23) (B,28,26) (B,25,25) (B,15,24) (B,12,24) (B,13,22) (B,14,20) (B,16,22) (B,19,9) (B,19,14) (B,20,14) (B,31,22) (B,31,22) (B,31,28)	CCSRCH102J50 CCSRCH271J50 CCSRCH271J50 CKSSYB104K10 CKSSYB103K16 CCSRCH301J50 CCSSCH120J50 CCSRCH301J50 CKSSYB103K16 CCSRCH101J50 CKSSYB102K50 CKSSYB103K16 CKSSYB103K16	Unit Na  MISCELL  IC 5101 IC 5102 IC 5103 IC 5201 IC 5202 IC 5203 IC 5204 IC 5331 IC 5371	me : Monitor Ur  ANEOUS  (A,66,94) IC (A,66,99) IC (A,74,75) IC (A,66,34) IC (A,46,32) IC  (A,46,32) IC  (A,46,18) IC (A,85,109) IC (A,94,105) IC	S-1131B15UC-N4A S-1131B25UC-N4K BD6171KV TA78L05F TC7SH08FUS1 TC7SH08FUS1 OZ961ISN TC7SH08FUS1
2 424 2 425 2 426 2 427 2 428 2 429 2 430 2 431 2 432 2 433 2 434 2 435 2 436 2 441 2 442	(B,27,22) (B,29,23) (B,28,26) (B,25,25) (B,15,24) (B,12,24) (B,13,22) (B,14,20) (B,16,22) (B,19,9) (B,19,14) (B,20,14) (B,31,22) (B,31,22) (B,31,28) (A,30,29)	CCSRCH102J50 CCSRCH271J50 CCSRCH271J50 CKSSYB104K10 CKSSYB103K16 CCSRCH301J50 CCSSCH120J50 CCSSCH120J50 CKSSYB103K16 CCSRCH101J50 CKSSYB102K50 CKSSYB103K16 CKSSYB104K10 CKSSYB104K10 CKSRYB104K10 CKSRYB104K16 CCSRCH101J50	Unit Na  MISCELL  IC 5101 IC 5102 IC 5103 IC 5201 IC 5202 IC 5203 IC 5204 IC 5331	me : Monitor Ur  ANEOUS  (A,66,94) IC (A,66,99) IC (A,74,75) IC (A,66,34) IC (A,46,32) IC  (A,46,27) IC (A,46,18) IC (A,85,109) IC	S-1131B15UC-N4A S-1131B25UC-N4K BD6171KV TA78L05F TC7SH08FUS1 TC7SH08FUS1 OZ961ISN TC7SH08FUS1 TC7SH08FUS1
2 423 2 424 2 425 2 426 2 427 2 428 2 429 2 430 2 431 2 432 2 433 2 434 2 435 2 436 2 441 2 442 2 443	(B,27,22) (B,29,23) (B,28,26) (B,25,25) (B,15,24) (B,12,24) (B,13,22) (B,14,20) (B,16,22) (B,19,9) (B,19,14) (B,20,14) (B,31,22) (B,31,28) (A,30,29) (A,30,32)	CCSRCH102J50 CCSRCH271J50 CCSRCH271J50 CKSSYB104K10 CKSSYB103K16 CCSRCH301J50 CCSSCH120J50 CCSSCH120J50 CKSSYB103K16 CCSRCH101J50 CKSSYB102K50 CKSSYB103K16 CKSSYB104K10 CKSSYB104K10 CKSRYB104K16 CCSRCH101J50 CKSRYB104K16	Unit Na  MISCELL  IC 5101 IC 5102 IC 5103 IC 5201 IC 5202 IC 5203 IC 5204 IC 5331 IC 5371 IC 5401	me : Monitor Ur  ANEOUS  (A,66,94) IC (A,66,99) IC (A,74,75) IC (A,66,34) IC (A,46,32) IC  (A,46,27) IC (A,46,18) IC (A,85,109) IC (A,94,105) IC (A,37,93) IC	S-1131B15UC-N4A S-1131B25UC-N4K BD6171KV TA78L05F TC7SH08FUS1 TC7SH08FUS1 OZ961ISN TC7SH08FUS1 TC7SH08FUS1 TC7SH08FUS1 TC7SH08FUS1 TC90A96BFGSING
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2 424 2 425 2 426 2 427 2 428 2 429 2 430 2 431 2 432 2 433 2 434 2 435 2 441 2 442 2 443 2 444 2 445	(B,27,22) (B,29,23) (B,28,26) (B,25,25) (B,15,24) (B,12,24) (B,13,22) (B,14,20) (B,16,22) (B,19,9) (B,19,14) (B,20,14) (B,31,22) (B,31,28) (A,30,29) (A,30,32) (B,33,22) (A,29,30)	CCSRCH102J50 CCSRCH271J50 CCSRCH271J50 CKSSYB104K10 CKSSYB103K16 CCSRCH301J50 CCSSCH120J50 CCSSCH120J50 CKSSYB103K16 CCSRCH101J50 CKSSYB102K50 CKSSYB103K16 CKSSYB104K10 CKSSYB104K10 CKSRYB104K16 CCSRCH101J50 CKSSYB104K16	Unit Na  MISCELL  IC 5101 IC 5102 IC 5103 IC 5201 IC 5202 IC 5203 IC 5204 IC 5331 IC 5371 IC 5401 IC 5502 IC 5503	me : Monitor Ur  ANEOUS  (A,66,94) IC (A,66,99) IC (A,74,75) IC (A,66,34) IC (A,46,32) IC  (A,46,32) IC  (A,46,18) IC (A,85,109) IC (A,94,105) IC (A,37,93) IC  (A,14,80) IC (A,12,85) IC	S-1131B15UC-N4A S-1131B25UC-N4K BD6171KV TA78L05F TC7SH08FUS1 TC7SH08FUS1 OZ961ISN TC7SH08FUS1 TC7SH08FUS1 TC7SH08FUS1 TC90A96BFGSING
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2 424 2 425 2 426 2 427 2 428 2 429 2 430 2 431 2 432 2 433 2 434 2 435 2 441 2 442 2 443 2 444 2 445 2 461 2 462 2 463	(B,27,22) (B,29,23) (B,28,26) (B,25,25) (B,15,24) (B,12,24) (B,13,22) (B,14,20) (B,16,22) (B,19,9) (B,19,14) (B,20,14) (B,31,22) (B,31,28) (A,30,29) (A,30,32) (B,33,22) (A,29,30) (A,28,5) 22 µF/6.3 V (A,31,9)	CCSRCH102J50 CCSRCH271J50 CCSRCH271J50 CCSRCH102J50 CKSSYB104K10 CKSSYB103K16 CCSRCH301J50 CCSSCH120J50 CCSRCH301J50 CKSSYB103K16 CCSRCH101J50 CKSSYB102K50 CKSSYB102K50 CKSSYB104K10 CKSSYB104K10 CKSRYB104K16 CCSRCH101J50 CKSSYB104K16 CCSRCH101J50 CKSSYB104K16 CCSRCH101J50 CKSRYB104K16 CCSRCH101J50 CKSRYB104K16 CKSSYB104K16 CKSSYB104K10 CCH1408 CKSRYB104K16	Unit Na  MISCELL  IC 5101 IC 5102 IC 5103 IC 5201 IC 5202 IC 5203 IC 5204 IC 5331 IC 5371 IC 5401 IC 5502 IC 5503 IC 5504 IC 5505 IC 5506	Me: Monitor Ur  ANEOUS  (A,66,94) IC (A,66,99) IC (A,74,75) IC (A,66,34) IC (A,46,32) IC  (A,46,32) IC  (A,46,18) IC (A,46,18) IC (A,85,109) IC (A,94,105) IC (A,37,93) IC  (A,14,80) IC (A,12,85) IC (A,56,83) IC (A,56,83) IC (A,57,76) IC (A,57,76) IC	S-1131B15UC-N4A S-1131B25UC-N4K BD6171KV TA78L05F TC7SH08FUS1 TC7SH08FUS1 TC7SH08FUS1 TC7SH08FUS1 TC7SH08FUS1 TC7SH08FUS1 TC90A96BFGSING TC7SET04FUS1 NJM2100V TC7SET04FUS1 TC7SE66FU TC74VHC04FTS1 NJM082BV
2 424 2 425 2 426 2 427 2 428 2 429 2 430 2 431 2 432 2 433 2 434 2 435 2 443 2 444 2 445 2 443 2 444 2 445 2 443 2 444 2 445 2 446 2 446 2 463 2 464	(B,27,22) (B,29,23) (B,28,26) (B,25,25) (B,15,24) (B,12,24) (B,13,22) (B,14,20) (B,16,22) (B,19,9) (B,19,14) (B,20,14) (B,31,22) (B,31,28) (A,30,29) (A,30,32) (B,33,22) (A,29,30) (A,28,5) 22 µF/6.3 V (A,31,9) (A,27,9)	CCSRCH102J50 CCSRCH271J50 CCSRCH271J50 CCSRCH102J50 CKSSYB104K10 CKSSYB103K16 CCSRCH301J50 CCSSCH120J50 CCSRCH301J50 CKSSYB103K16 CCSRCH101J50 CKSSYB102K50 CKSSYB102K50 CKSSYB104K10 CKSSYB104K10 CKSRYB104K16 CCSRCH101J50 CKSSYB104K16 CCSRCH101J50 CKSRYB104K16 CCSRCH101J50 CKSRYB104K16 CKSSYB103K16	Unit Na  MISCELL  IC 5101 IC 5102 IC 5103 IC 5201 IC 5202 IC 5203 IC 5204 IC 5331 IC 5371 IC 5401 IC 5502 IC 5503 IC 5504 IC 5505 IC 5506 IC 5507 IC 5602	Me: Monitor Ur  ANEOUS  (A,66,94) IC (A,66,99) IC (A,74,75) IC (A,66,34) IC (A,46,32) IC  (A,46,27) IC (A,46,18) IC (A,485,109) IC (A,94,105) IC (A,37,93) IC  (A,14,80) IC (A,12,85) IC (A,12,85) IC (A,56,83) IC (A,56,83) IC (A,56,83) IC (A,57,76) IC (A,11,66) IC (A,11,66) IC (A,140,96) IC	S-1131B15UC-N4A S-1131B25UC-N4K BD6171KV TA78L05F TC7SH08FUS1 TC7SH08FUS1 TC7SH08FUS1 TC7SH08FUS1 TC7SH08FUS1 TC7SH08FUS1 TC90A96BFGSING TC7SET04FUS1 NJM2100V TC7SET04FUS1 TC7SE6FU TC74VHC04FTS1 NJM082BV S-80835CNNB-B8U
2 424 2 425 2 426 2 427 2 428 2 429 2 430 2 431 2 432 2 433 2 434 2 435 2 441 2 442 2 443 2 444 2 445	(B,27,22) (B,29,23) (B,28,26) (B,25,25) (B,15,24) (B,12,24) (B,13,22) (B,14,20) (B,16,22) (B,19,9) (B,19,14) (B,20,14) (B,31,22) (B,31,28) (A,30,29) (A,30,32) (B,33,22) (A,29,30) (A,28,5) 22 µF/6.3 V (A,31,9) (A,27,9)	CCSRCH102J50 CCSRCH271J50 CCSRCH271J50 CCSRCH102J50 CKSSYB104K10 CKSSYB103K16 CCSRCH301J50 CCSSCH120J50 CCSRCH301J50 CKSSYB103K16 CCSRCH101J50 CKSSYB102K50 CKSSYB102K50 CKSSYB104K10 CKSSYB104K10 CKSRYB104K16 CCSRCH101J50 CKSSYB104K16 CCSRCH101J50 CKSSYB104K16 CCSRCH101J50 CKSRYB104K16 CKSSYB104K16 CKSSYB104K10 CCH1408 CKSRYB104K16 CKSRYB104K16 CKSRYB104K16	Unit Na  MISCELL  IC 5101 IC 5102 IC 5103 IC 5201 IC 5202 IC 5203 IC 5204 IC 5331 IC 5371 IC 5401 IC 5502 IC 5503 IC 5504 IC 5505 IC 5506	Me: Monitor Ur  ANEOUS  (A,66,94) IC (A,66,99) IC (A,74,75) IC (A,66,34) IC (A,46,32) IC  (A,46,32) IC  (A,46,18) IC (A,46,18) IC (A,85,109) IC (A,94,105) IC (A,37,93) IC  (A,14,80) IC (A,12,85) IC (A,56,83) IC (A,56,83) IC (A,57,76) IC (A,57,76) IC	S-1131B15UC-N4A S-1131B25UC-N4K BD6171KV TA78L05F TC7SH08FUS1 TC7SH08FUS1 TC7SH08FUS1 TC7SH08FUS1 TC7SH08FUS1 TC7SH08FUS1 TC90A96BFGSING TC7SET04FUS1 NJM2100V TC7SET04FUS1 TC7SE66FU TC74VHC04FTS1 NJM082BV
2 424 2 425 2 426 2 427 2 428 2 429 2 430 2 431 3 432 3 433 3 434 4 435 4 435 4 445 4 445 4 445 4 445 4 461 4 462 4 463 4 465	(B,27,22) (B,29,23)  (B,28,26) (B,25,25) (B,15,24) (B,12,24) (B,13,22)  (B,14,20) (B,16,22) (B,19,9) (B,19,14) (B,20,14)  (B,31,22) (B,31,28) (A,30,29) (A,30,32) (B,33,22)  (A,29,30) (A,28,5) 22 µF/6.3 V (A,31,9) (A,27,9) (B,31,4)	CCSRCH102J50 CCSRCH271J50  CCSRCH102J50 CKSSYB104K10 CKSSYB103K16 CCSRCH301J50 CCSSCH120J50  CCSRCH301J50 CKSSYB103K16 CCSRCH301J50 CKSSYB103K16 CCSRCH101J50 CKSSYB102K50 CKSSYB102K50 CKSSYB104K10 CKSSYB104K10 CKSRYB104K16 CCSRCH101J50 CKSSYB104K16 CCSRCH101J50 CKSRYB104K16 CCSRCH101J50 CKSRYB104K16 CKSSYB103K16  CKSSYB103K16  CKSSYB104K10 CCH1408 CKSRYB104K16 CKSSYB103K16  CKSSYB103K16	Unit Na  MISCELL  IC 5101 IC 5102 IC 5103 IC 5201 IC 5202 IC 5203 IC 5204 IC 5331 IC 5371 IC 5401 IC 5502 IC 5503 IC 5504 IC 5505 IC 5506 IC 5507 IC 5602	Me: Monitor Ur  ANEOUS  (A,66,94) IC (A,66,99) IC (A,74,75) IC (A,66,34) IC (A,46,32) IC  (A,46,27) IC (A,46,18) IC (A,485,109) IC (A,94,105) IC (A,37,93) IC  (A,14,80) IC (A,12,85) IC (A,12,85) IC (A,56,83) IC (A,56,83) IC (A,56,83) IC (A,57,76) IC (A,11,66) IC (A,11,66) IC (A,140,96) IC	S-1131B15UC-N4A S-1131B25UC-N4K BD6171KV TA78L05F TC7SH08FUS1 TC7SH08FUS1 TC7SH08FUS1 TC7SH08FUS1 TC7SH08FUS1 TC7SH08FUS1 TC90A96BFGSING TC7SET04FUS1 NJM2100V TC7SET04FUS1 TC7SE6FU TC74VHC04FTS1 NJM082BV S-80835CNNB-B8U
2 424 2 425 2 426 2 427 2 428 2 429 2 430 2 431 2 432 2 433 2 434 2 435 2 436 2 441 2 443 2 443 2 445 2 443 2 445 2 446 2 446 3 466 2 466 2 466	(B,27,22) (B,29,23)  (B,28,26) (B,25,25) (B,15,24) (B,12,24) (B,13,22)  (B,14,20) (B,16,22) (B,19,9) (B,19,14) (B,20,14)  (B,31,22) (B,31,28) (A,30,29) (A,30,32) (B,33,22)  (A,29,30) (A,28,5) (A,29,30) (A,28,5) (A,27,9) (B,31,4) (B,31,4) (B,32,4)	CCSRCH102J50 CCSRCH271J50  CCSRCH271J50  CKSSYB104K10 CKSSYB103K16 CCSRCH301J50 CCSSCH120J50  CCSRCH301J50 CKSSYB103K16 CCSRCH301J50 CKSSYB103K16 CCSRCH101J50 CKSSYB102K50 CKSSYB102K50 CKSSYB104K10 CKSSYB104K10 CKSRYB104K16 CCSRCH101J50 CKSSYB104K16 CCSRCH101J50 CKSRYB104K16 CKSSYB103K16  CKSSYB103K16  CKSSYB103K16 CKSSYB103K16 CKSSYB103K16 CKSSYB103K16 CKSSYB103K16	Unit Na  MISCELL  IC 5101 IC 5102 IC 5103 IC 5201 IC 5202 IC 5202 IC 5204 IC 5331 IC 5371 IC 5401 IC 5502 IC 5503 IC 5504 IC 5505 IC 5506 IC 5507 IC 5602 IC 5603 IC 5604	Me: Monitor Ur  ANEOUS  (A,66,94) IC (A,66,99) IC (A,74,75) IC (A,66,34) IC (A,46,32) IC  (A,46,32) IC  (A,46,18) IC (A,485,109) IC (A,94,105) IC (A,37,93) IC  (A,14,80) IC (A,12,85) IC (A,56,83) IC (A,56,83) IC (A,57,76) IC  (A,11,66) IC (A,11,66) IC (A,125,83) IC (A,125,83) IC (A,144,79) IC	S-1131B15UC-N4A S-1131B25UC-N4K BD6171KV TA78L05F TC7SH08FUS1  TC7SH08FUS1  TC7SH08FUS1 TC7SH08FUS1 TC7SH08FUS1 TC7SH08FUS1 TC7SH08FUS1 TC7SH08FUS1 TC7SH08FUS1 TC7SET04FUS1 NJM2100V TC7SET04FUS1 TC7SE6FU TC74VHC04FTS1  NJM082BV S-80835CNNB-B8U PE5607A BR93L56FJ-W
2 424 2 425 2 426 2 427 2 428 2 429 2 430 2 431 2 432 3 434 3 434 3 434 3 434 3 435 3 444 3 445 3 446 3 446 3 466 3 467	(B,27,22) (B,29,23)  (B,28,26) (B,25,25) (B,15,24) (B,12,24) (B,13,22)  (B,14,20) (B,16,22) (B,19,9) (B,19,14) (B,20,14)  (B,31,22) (B,31,28) (A,30,29) (A,30,32) (B,33,22)  (A,29,30) (A,28,5) 22 µF/6.3 V (A,31,9) (A,27,9) (B,31,4) (B,32,4) (B,33,4)	CCSRCH102J50 CCSRCH271J50  CCSRCH102J50 CKSSYB104K10 CKSSYB103K16 CCSRCH301J50 CCSSCH120J50  CCSRCH301J50 CKSSYB103K16 CCSRCH301J50 CKSSYB103K16 CCSRCH101J50 CKSSYB102K50 CKSSYB102K50 CKSSYB104K10 CKSSYB104K10 CKSRYB104K16 CCSRCH101J50 CKSSYB104K16 CCSRCH101J50 CKSRYB104K16 CKSSYB103K16  CKSSYB103K16 CKSSYB103K16 CKSSYB103K16 CKSSYB103K16 CKSSYB103K16 CKSSYB103K16 CKSSYB103K16 CKSSYB103K16	Unit Na  MISCELL  IC 5101 IC 5102 IC 5103 IC 5201 IC 5202 IC 5202 IC 5204 IC 5331 IC 5371 IC 5401 IC 5502 IC 5503 IC 5504 IC 5505 IC 5506 IC 5507 IC 5602 IC 5603	Me: Monitor Ur  ANEOUS  (A,66,94) IC (A,66,99) IC (A,74,75) IC (A,66,34) IC (A,46,32) IC  (A,46,32) IC  (A,46,18) IC (A,46,18) IC (A,94,105) IC (A,37,93) IC  (A,14,80) IC (A,12,85) IC (A,56,83) IC (A,56,83) IC (A,57,76) IC  (A,11,66) IC (A,11,66) IC (A,125,83) IC	S-1131B15UC-N4A S-1131B25UC-N4K BD6171KV TA78L05F TC7SH08FUS1 TC7SH08FUS1 TC7SH08FUS1 TC7SH08FUS1 TC7SH08FUS1 TC7SH08FUS1 TC90A96BFGSING TC7SET04FUS1 NJM2100V TC7SET04FUS1 TC7SET04FUS1 TC7SE6FU TC74VHC04FTS1 NJM082BV S-80835CNNB-B8U PE5607A
2 424 2 425 2 426 2 427 2 428 2 429 2 430 2 431 2 432 2 433 2 434 2 435 2 436 2 441 2 443 2 445 2 443 2 445 2 446 2 446 2 466 2 467 2 468	(B,27,22) (B,29,23)  (B,28,26) (B,25,25) (B,15,24) (B,12,24) (B,13,22)  (B,14,20) (B,16,22) (B,19,9) (B,19,14) (B,20,14)  (B,31,22) (B,31,28) (A,30,29) (A,30,32) (B,33,22)  (A,29,30) (A,28,5) 22 µF/6.3 V (A,31,9) (A,27,9) (B,31,4) (B,32,4) (B,33,4) (A,30,11)	CCSRCH102J50 CCSRCH271J50 CCSRCH271J50 CCSRCH102J50 CKSSYB104K10 CKSSYB103K16 CCSRCH301J50 CCSSCH120J50 CCSRCH301J50 CKSSYB103K16 CCSRCH101J50 CKSSYB102K50 CKSSYB102K50 CKSSYB104K10 CKSSYB104K10 CKSRYB104K16 CCSRCH101J50 CKSSYB104K16 CCSRCH101J50 CKSRYB104K16 CCSRCH101J50 CKSSYB104K16 CKSSYB103K16	MISCELL  IC 5101 IC 5102 IC 5103 IC 5201 IC 5202 IC 5202 IC 5204 IC 5331 IC 5371 IC 5401 IC 5502 IC 5503 IC 5504 IC 5505 IC 5506 IC 5507 IC 5602 IC 5603 IC 5604 IC 5604 IC 5606	Me: Monitor Ur  ANEOUS  (A,66,94) IC (A,66,99) IC (A,74,75) IC (A,66,34) IC (A,46,32) IC  (A,46,32) IC  (A,46,18) IC (A,85,109) IC (A,94,105) IC (A,37,93) IC  (A,14,80) IC (A,12,85) IC (A,15,74) IC (A,56,83) IC (A,15,74) IC (A,57,76) IC  (A,11,66) IC (A,140,96) IC (A,125,83) IC (A,144,79) IC (A,109,80) IC	S-1131B15UC-N4A S-1131B25UC-N4K BD6171KV TA78L05F TC7SH08FUS1  TC7SH08FUS1  TC7SH08FUS1  TC7SH08FUS1  TC7SH08FUS1  TC7SH08FUS1  TC7SH08FUS1  TC7SH08FUS1  TC7SET04FUS1  NJM2100V  TC7SET04FUS1  TC7SET04FUS1  TC7SE6FU  TC74VHC04FTS1  NJM082BV S-80835CNNB-B8U PE5607A  BR93L56FJ-W TC7SH08FUS1
4 424 4 425 4 426 4 427 4 428 4 429 4 430 4 431 4 432 4 433 4 434 4 435 4 436 4 445 4 445 4 445 4 445 4 445 4 445 4 461 4 462 4 463 4 466 4 467	(B,27,22) (B,29,23)  (B,28,26) (B,25,25) (B,15,24) (B,12,24) (B,13,22)  (B,14,20) (B,16,22) (B,19,9) (B,19,14) (B,20,14)  (B,31,22) (B,31,28) (A,30,29) (A,30,32) (B,33,22)  (A,29,30) (A,28,5) 22 µF/6.3 V (A,31,9) (A,27,9) (B,31,4) (B,32,4) (B,33,4)	CCSRCH102J50 CCSRCH271J50  CCSRCH102J50 CKSSYB104K10 CKSSYB103K16 CCSRCH301J50 CCSSCH120J50  CCSRCH301J50 CKSSYB103K16 CCSRCH301J50 CKSSYB103K16 CCSRCH101J50 CKSSYB102K50 CKSSYB102K50 CKSSYB104K10 CKSSYB104K10 CKSRYB104K16 CCSRCH101J50 CKSSYB104K16 CCSRCH101J50 CKSRYB104K16 CKSSYB103K16  CKSSYB103K16 CKSSYB103K16 CKSSYB103K16 CKSSYB103K16 CKSSYB103K16 CKSSYB103K16 CKSSYB103K16 CKSSYB103K16	MISCELL  IC 5101 IC 5102 IC 5103 IC 5201 IC 5202 IC 5202 IC 5204 IC 5331 IC 5371 IC 5401 IC 5502 IC 5503 IC 5504 IC 5505 IC 5506 IC 5506 IC 5507 IC 5602 IC 5603 IC 5604 IC 5606 IC 5606	(A,66,94) IC (A,66,99) IC (A,74,75) IC (A,66,34) IC (A,46,32) IC (A,46,32) IC (A,46,18) IC (A,46,18) IC (A,94,105) IC (A,37,93) IC (A,14,80) IC (A,12,85) IC (A,56,83) IC (A,15,74) IC (A,57,76) IC (A,11,66) IC (A,140,96) IC (A,125,83) IC (A,144,79) IC (A,109,80) IC (A,12,89) IC	S-1131B15UC-N4A S-1131B25UC-N4K BD6171KV TA78L05F TC7SH08FUS1  TC7SH08FUS1  TC7SH08FUS1  TC7SH08FUS1  TC7SH08FUS1  TC7SH08FUS1  TC90A96BFGSING  TC7SET04FUS1  NJM2100V TC7SET04FUS1  TC7S66FU TC74VHC04FTS1  NJM082BV S-80835CNNB-B8U PE5607A BR93L56FJ-W TC7SH08FUS1  TC7SH08FUS1
4 424 4 425 4 426 4 427 4 428 4 429 4 430 4 431 4 432 4 433 4 434 4 435 4 436 4 441 4 445 4 445 4 445 4 446 4 465 4 466 4 467 4 468	(B,27,22) (B,29,23)  (B,28,26) (B,25,25) (B,15,24) (B,12,24) (B,13,22)  (B,14,20) (B,16,22) (B,19,9) (B,19,14) (B,20,14)  (B,31,22) (B,31,28) (A,30,29) (A,30,32) (B,33,22)  (A,29,30) (A,28,5) 22 µF/6.3 V (A,31,9) (A,27,9) (B,31,4) (B,32,4) (B,33,4) (A,30,11)	CCSRCH102J50 CCSRCH271J50 CCSRCH271J50 CCSRCH102J50 CKSSYB104K10 CKSSYB103K16 CCSRCH301J50 CCSSCH120J50 CCSRCH301J50 CKSSYB103K16 CCSRCH101J50 CKSSYB102K50 CKSSYB102K50 CKSSYB104K10 CKSSYB104K10 CKSRYB104K16 CCSRCH101J50 CKSSYB104K16 CCSRCH101J50 CKSRYB104K16 CCSRCH101J50 CKSSYB104K16 CKSSYB103K16	MISCELL  IC 5101 IC 5102 IC 5103 IC 5201 IC 5202 IC 5202 IC 5204 IC 5331 IC 5371 IC 5401 IC 5502 IC 5503 IC 5504 IC 5505 IC 5506 IC 5507 IC 5602 IC 5603 IC 5604 IC 5604 IC 5606	Me: Monitor Ur  ANEOUS  (A,66,94) IC (A,66,99) IC (A,74,75) IC (A,66,34) IC (A,46,32) IC  (A,46,32) IC  (A,46,18) IC (A,85,109) IC (A,94,105) IC (A,37,93) IC  (A,14,80) IC (A,12,85) IC (A,15,74) IC (A,56,83) IC (A,15,74) IC (A,57,76) IC  (A,11,66) IC (A,140,96) IC (A,125,83) IC (A,144,79) IC (A,109,80) IC	S-1131B15UC-N4A S-1131B25UC-N4K BD6171KV TA78L05F TC7SH08FUS1  TC7SH08FUS1  TC7SH08FUS1  TC7SH08FUS1  TC7SH08FUS1  TC7SH08FUS1  TC7SH08FUS1  TC7SH08FUS1  TC7SET04FUS1  NJM2100V  TC7SET04FUS1  TC7SET04FUS1  TC7SE6FU  TC74VHC04FTS1  NJM082BV S-80835CNNB-B8U PE5607A  BR93L56FJ-W TC7SH08FUS1
424 425 426 427 428 429 430 431 431 432 433 434 435 436 441 445 445 446 445 446 446 446 446 446 446	(B,27,22) (B,29,23)  (B,28,26) (B,25,25) (B,15,24) (B,12,24) (B,13,22)  (B,14,20) (B,16,22) (B,19,9) (B,19,14) (B,20,14)  (B,31,22) (B,31,28) (A,30,29) (A,30,32) (B,33,22)  (A,29,30) (A,28,5) 22 µF/6.3 V (A,31,9) (A,27,9) (B,31,4) (B,32,4) (B,33,4) (A,30,11) (B,27,4)	CCSRCH102J50 CCSRCH271J50 CCSRCH271J50 CCSRCH102J50 CKSSYB104K10 CKSSYB103K16 CCSRCH301J50 CCSSCH120J50 CCSRCH301J50 CKSSYB103K16 CCSRCH101J50 CKSSYB102K50 CKSSYB102K50 CKSSYB104K10 CKSSYB104K10 CKSRYB104K16 CCSRCH101J50 CKSRYB104K16 CCSRCH101J50 CKSRYB104K16 CCSRCH101J50 CKSRYB104K16 CKSSYB103K16	MISCELL  IC 5101 IC 5102 IC 5103 IC 5201 IC 5202 IC 5202 IC 5204 IC 5331 IC 5371 IC 5401 IC 5502 IC 5503 IC 5504 IC 5505 IC 5506 IC 5506 IC 5507 IC 5602 IC 5603 IC 5604 IC 5606 IC 5606	(A,66,94) IC (A,66,99) IC (A,74,75) IC (A,66,34) IC (A,46,32) IC (A,46,32) IC (A,46,18) IC (A,46,18) IC (A,94,105) IC (A,37,93) IC (A,14,80) IC (A,12,85) IC (A,56,83) IC (A,15,74) IC (A,57,76) IC (A,11,66) IC (A,140,96) IC (A,125,83) IC (A,144,79) IC (A,109,80) IC (A,12,89) IC	S-1131B15UC-N4A S-1131B25UC-N4K BD6171KV TA78L05F TC7SH08FUS1  TC7SH08FUS1  TC7SH08FUS1  TC7SH08FUS1  TC7SH08FUS1  TC7SH08FUS1  TC90A96BFGSING  TC7SET04FUS1  NJM2100V TC7SET04FUS1  TC7S66FU TC74VHC04FTS1  NJM082BV S-80835CNNB-B8U PE5607A BR93L56FJ-W TC7SH08FUS1  TC7SH08FUS1
424 425 426 427 428 429 430 431 432 433 434 435 436 441 442 443 444 445 461 462 463 464 465 466 467 468 469	(B,27,22) (B,29,23)  (B,28,26) (B,25,25) (B,15,24) (B,12,24) (B,13,22)  (B,14,20) (B,16,22) (B,19,9) (B,19,14) (B,20,14)  (B,31,22) (B,31,28) (A,30,29) (A,30,32) (B,33,22)  (A,29,30) (A,28,5) 22 µF/6.3 V (A,31,9) (A,27,9) (B,31,4) (B,32,4) (B,33,4) (A,30,11)	CCSRCH102J50 CCSRCH271J50 CCSRCH271J50 CCSRCH102J50 CKSSYB104K10 CKSSYB103K16 CCSRCH301J50 CCSSCH120J50 CCSRCH301J50 CKSSYB103K16 CCSRCH101J50 CKSSYB102K50 CKSSYB102K50 CKSSYB104K10 CKSSYB104K10 CKSRYB104K16 CCSRCH101J50 CKSSYB104K16 CCSRCH101J50 CKSRYB104K16 CCSRCH101J50 CKSSYB104K16 CKSSYB103K16	MISCELL  IC 5101 IC 5102 IC 5103 IC 5201 IC 5202 IC 5203 IC 5204 IC 5331 IC 5371 IC 5401 IC 5502 IC 5503 IC 5504 IC 5505 IC 5506 IC 5506 IC 5507 IC 5602 IC 5603 IC 5604 IC 5607	(A,66,94) IC (A,66,99) IC (A,74,75) IC (A,66,34) IC (A,46,32) IC (A,46,32) IC (A,46,18) IC (A,46,18) IC (A,94,105) IC (A,37,93) IC (A,12,85) IC (A,12,85) IC (A,15,74) IC (A,15,74) IC (A,12,63) IC (A,14,66) IC (A,12,58) IC (A,14,96) IC (A,125,83) IC (A,144,79) IC (A,109,80) IC (A,12,89) IC (A,12,89) IC (A,12,89) IC (A,75,63) Chip Transistor (A,85,80) FET	S-1131B15UC-N4A S-1131B25UC-N4K BD6171KV TA78L05F TC7SH08FUS1  TC7SH08FUS1  TC7SH08FUS1  TC7SH08FUS1  TC7SH08FUS1  TC7SH08FUS1  TC7SH08FUS1  TC7SH08FUS1  TC7SET04FUS1  NJM2100V  TC7SET04FUS1  TC7SH08FUS1  TC7SH08FUS1  TC7SH08FUS1  TC7SH08FUS1  TC7SH08FUS1  TC114EUA  RSQ035P03
424 425 426 427 428 429 430 431 432 433 434 435 436 441 442 443 445 446 445 446 446 465 466 467 468	(B,27,22) (B,29,23)  (B,28,26) (B,25,25) (B,15,24) (B,12,24) (B,13,22)  (B,14,20) (B,16,22) (B,19,9) (B,19,14) (B,20,14)  (B,31,22) (B,31,28) (A,30,29) (A,30,32) (B,33,22)  (A,29,30) (A,28,5) 22 µF/6.3 V (A,31,9) (A,27,9) (B,31,4) (B,32,4) (B,33,4) (A,30,11) (B,27,4)	CCSRCH102J50 CCSRCH271J50 CCSRCH271J50 CCSRCH102J50 CKSSYB104K10 CKSSYB103K16 CCSRCH301J50 CCSSCH120J50 CCSRCH301J50 CKSSYB103K16 CCSRCH101J50 CKSSYB102K50 CKSSYB102K50 CKSSYB104K10 CKSSYB104K10 CKSRYB104K16 CCSRCH101J50 CKSRYB104K16 CCSRCH101J50 CKSRYB104K16 CCSRCH101J50 CKSRYB104K16 CKSSYB103K16	MISCELL  IC 5101 IC 5102 IC 5103 IC 5201 IC 5202 IC 5202 IC 5204 IC 5331 IC 5371 IC 5401 IC 5502 IC 5503 IC 5504 IC 5505 IC 5506 IC 5506 IC 5507 IC 5602 IC 5603 IC 5604 IC 5607	(A,66,94) IC (A,66,99) IC (A,74,75) IC (A,66,34) IC (A,46,32) IC (A,46,32) IC (A,46,18) IC (A,46,18) IC (A,94,105) IC (A,37,93) IC (A,12,85) IC (A,12,85) IC (A,15,74) IC (A,15,74) IC (A,12,63) IC (A,14,66) IC (A,12,85) IC (A,14,96) IC (A,12,83) IC (A,14,79) IC (A,109,80) IC (A,12,89) IC (A,12,89) IC (A,12,89) IC (A,75,63) Chip Transistor	S-1131B15UC-N4A S-1131B25UC-N4K BD6171KV TA78L05F TC7SH08FUS1  TC7SH08FUS1  TC7SH08FUS1 TC7SH08FUS1 TC7SH08FUS1 TC90A96BFGSING  TC7SET04FUS1 NJM2100V TC7SET04FUS1 TC7S66FU TC74VHC04FTS1  NJM082BV S-80835CNNB-B8U PE5607A BR93L56FJ-W TC7SH08FUS1 TC7SH08FUS1 TC7SH08FUS1 DTC114EUA

O S201 (A,72,18) Transistor		Circ	uit Symbol and No.	Part No.	Cir	cuit Symbol and No.	Part No.
A 0 5203 (A.59.29) Transistor 28C4617					·		
A 0 5203 (A.59.39) Transistor 28C4617 L 5110 (A.60,92) Inductor CTF1635 C 5205 (A.47.30) Transistor 28C4617 L 5111 (A.67.110) Inductor CTF1635 C 5205 (A.69.21) Transistor 28C4617 L 5112 (A.67.110) Inductor CTF1635 C 5205 (A.69.21) Transistor 28C4617 L 5113 (A.69.32) Inductor CTF1635 C 5205 (A.69.21) Transistor 28C4617 L 5113 (A.69.37) Inductor CTF1635 C 5205 (A.71.30) Transistor 28C4617 L 5116 (A.69.38) Inductor CTF1635 C 5205 (A.71.31) Transistor 28C4617 L 5116 (A.69.38) Inductor CTF1635 C 5010 (A.9.51) Transistor 28C4617 L 5116 (A.69.38) Inductor CTF1635 C 5010 (A.9.55) Transistor 28C4617 L 5116 (A.69.38) Inductor CTF1635 C 5010 (A.19.35) Transistor 28C4617 L 5202 (A.69.33) Inductor CTF1336 C 5010 (A.19.35) Transistor 28C4617 L 5202 (A.69.312) Inductor CTF1336 C 5010 (A.19.35) Transistor 28C4617 L 5301 (A.69.112) Inductor CTF1336 C 5010 (A.19.35) Transistor 28C4617 L 5301 (A.69.112) Inductor CTF1336 C 5010 (A.19.35) Transistor 28C4617 L 5301 (A.69.112) Inductor CTF1336 C 5010 (A.17.69) Transistor 28C4617 L 5301 (A.69.112) Inductor CTF1336 C 5010 (A.17.69) Transistor 28C4617 L 5301 (A.69.112) Inductor CTF1336 C 5010 (A.17.69) Transistor CMF5N L 5402 (A.69.112) Inductor CTF1336 C 5010 (A.17.69) Transistor CMF5N L 5402 (A.49.111) Inductor CTF1336 C 5010 (A.17.69) Transistor CMF5N L 5402 (A.49.111) Inductor CTF1336 C 5010 (A.17.69) Transistor CMF5N L 5402 (A.49.111) Inductor CTF1336 C 5010 (A.17.69) Transistor CMF5N L 5402 (A.49.111) Inductor CTF1336 C 5010 (A.17.69) Transistor CMF5N L 5402 (A.49.111) Inductor CTF1336 C 5010 (A.17.69) Transistor CMF5N L 5402 (A.49.111) Inductor CTF1336 C 5010 (A.17.69) Transistor CMF5N L 5402 (A.49.111) Inductor CTF1336 C 5010 (A.77.69) Inductor		Q 5202	(A,62,29) Transistor	2SC4617	L 5109	(A,58,107) Inductor	CTF1635
C 5205   (A.92.21) Transistor   28C4617	Α	Q 5203	(A,59,29) Transistor	2SC4617	L 5110	(A,60,89) Inductor	CTF1635
O 5200 (A,95.21) Transistor			(A,41,30) Transistor	2SA1774			CTF1635
□ C 5301 (A.74,109) Transistor 2SC4091 L 5114 (A.65,84) Inductor CTF1635 C 5400 (A.62,111) Transistor 2SA1576A L 5115 (A.93,63) Inductor CTF1635 C 54017 L 5116 (A.93,63) Inductor CTF1635 C 5501 (A.93,13) Transistor UMX2N L 5201 (A.93,03) Inductor CTF1635 C 5501 (A.93,03) Transistor UMX2N L 5201 (A.93,03) Inductor CTF1635 C 5501 (A.93,03) Transistor UMX2N L 5201 (A.80,03) Inductor CTF1636 C 5501 (A.93,03) Transistor UMX2N L 5201 (A.93,03) Inductor CTF1636 C 5502 (A.10,98) Transistor UMX2N L 5302 (A.83,112) Inductor LOKAW20J2520 C 5503 (A.10,88) Transistor UMX2N L 5302 (A.85,112) Inductor LOKAW20J2520 C 5501 (A.112,96) Chip Transistor UM72N L 5303 (A.93,103) Inductor CTF1306 C 5501 (A.112,96) Chip Transistor UM75N L 5301 (A.93,102) Inductor CTF1306 C 5501 (A.112,96) Chip Transistor UM75N L 5301 (A.94,102) Inductor CTF1306 C 5701 (A.112,96) Chip Transistor UM75N L 5401 (A.48,111) Inductor CTF1306 C 5703 (A.112,96) Chip Transistor UM75N L 5401 (A.48,111) Inductor CTF1306 C 5706 (A.112,96) Chip Transistor UM75N L 5402 (A.42,113) Inductor CTF1306 C 5706 (A.112,96) Chip Transistor UM75N L 5403 (A.40,114) Inductor CTF1306 C 5706 (A.112,93) Diode UD2SSR6(6) L 5403 (A.20,110) Inductor CTF1306 C 5706 (A.112,93) Diode UD2SSR6(6) L 5406 (A.21,110) Inductor CTF1306 C 5706 (A.112,93) Diode UD2SSR6(6) L 5406 (A.21,110) Inductor CTF1306 C 5000 (A.112,93) Diode UD2SSR6(6) L 5406 (A.21,110) Inductor CTF1306 C 5000 (A.112,93) Diode UD2SSR6(6) L 5406 (A.21,110) Inductor CTF1306 C 5000 (A.112,93) Diode UD2SSR6(6) L 5406 (A.21,110) Inductor CTF1306 C 5100 (A.112,93) Diode UD2SSR6(6) L 5406 (A.21,110) Inductor CTF1306 C 5100 (A.112,93) Diode UD2SSR6(6) L 5406 (A.21,110) Inductor CTF1306 C 5100 (A.112,93) Diode UD2SSR6(6) L 5406 (A.21,110) Inductor CTF1306 C 5100 (A.112,93) Diode UD2SSR6(6) L 5406 (A.21,110) Inductor CTF1306 C 5100 (A.112,93) Diode UD2SSR6(6) L 5406 (A.21,110) Inductor CTF1306 C 5100 (A.112,93) Diode D 5100 (A.112,93) Diode			,				
■ O 53002 (A.52,111) Transistor         2SA1576A         L 5115 (A.36,36) Inductor         CTF1635 (A.36,55) Inductor         CTF1635 (A.36,55) Inductor         CTF1635 (A.36,55) Inductor         CTF1635 (A.36,55) Inductor         CTF1635 (A.36,35) Inductor         CTF1635 (A.3		Q 5206	(A,85,21) Transistor	2SC4617	L 5113	(A,84,97) Choke Coil 18 μ	ıH CTH1250
O 5401 (A.9.56) Transistor UMY2N L 5201 (A.9.26) Inductor CTF1306 C 5502 (A.13.55) Transistor UMT2N L 5202 (A.43.29) Inductor CTF1306 C 5602 (A.13.55) Transistor UMT2N L 5202 (A.43.29) Inductor CTF1306 C 5602 (A.109.95) Chp Transistor DTC114EUA L 5302 (A.50.112) Inductor LCKAW220,U2520 C 5603 (A.109.95) Chp Transistor 29715784 L 5303 (A.59.112) Inductor LCKAW270,U2520 C 5604 (A.115.96) Transistor 29715784 L 5303 (A.59.112) Inductor LCKAW270,U2520 C 5611 (A.127.69) Transistor UMF5N L 5401 (A.9.6.111) Inductor CTF1306 C 5701 (A.137.63) Transistor UMF5N L 5401 (A.9.6.112) Inductor CTF1306 C 5702 (A.141.63) Transistor UMF5N L 5402 (A.42.113) Inductor CTF1306 C 5702 (A.141.63) Transistor UMF5N L 5402 (A.42.113) Inductor CTF1306 C 5706 (A.128.63) Transistor UMF5N L 5402 (A.42.113) Inductor CTF1306 C 5706 (A.22.8) FET TS8M1 L 5404 (A.9.4.111) Inductor CTF1306 C 5706 (A.22.8) Diode UD25SR8(8) L 5406 (A.24.110) Inductor CTF1306 C 5706 (A.22.3) Diode UD25SR8(8) L 5406 (A.24.110) Inductor CTF1306 C 5706 (A.12.33) Diode UD25SR8(8) L 5406 (A.24.110) Inductor CTF1306 C 5706 (A.12.33) Diode UD25SR8(8) L 5407 (A.22.110) Inductor CTF1306 C 5706 (A.12.33) Diode UD25SR8(8) L 5407 (A.22.110) Inductor CTF1306 C 5706 (A.12.37) Diode UD25SR8(8) L 5407 (A.22.110) Inductor CTF1306 C 5706 (A.12.37) Diode UD25SR8(8) L 5407 (A.22.110) Inductor CTF1306 C 5706 (A.12.37) Diode UD25SR8(8) L 5407 (A.22.110) Inductor CTF1306 C 5706 (A.12.37) Diode UD25SR8(8) L 5407 (A.22.110) Inductor CTF1306 C 5706 (A.12.37) Diode UD25SR8(8) L 5407 (A.22.110) Inductor CTF1306 C 5706 (A.12.37) Diode UD25SR8(8) L 5407 (A.22.110) Inductor CTF1306 C 5706 (A.23.140) Diode B 5007-40 L 5411 (A.50.111) Inductor CTF1306 C 5706 (A.23.140) Diode B 5007-40 L 5411 (A.50.111) Inductor CTF1306 C 5706 (A.23.140) Diode B 5007-40 L 5411 (A.20.101) Inductor CTF1306 D 5107 (A.23.64) Diode B 6848W L 5417 (A.17.102) Inductor CTF1306 D 5107 (A.23.64) Diode B 6848W L 5418 (A.20.101) Inductor CTF1306 D 5008 (A.23.64) Diode B 6848W L 5418 (A.20.101) Inductor CTF1306 D 5008 (A.23.64) D							
O 5001 (A.9.19)   farasistor   UMCPN   L 5011 (A.9.58)   fauldoor   C1F1308   O 5002 (A.15.55)   farasistor   UMCPN   L 5002 (A.9.28)   inductor   C1F1308   O 5003 (A.10.9.65)   C1F1308   C1F1308   C1F1308   O 5003 (A.10.9.65)   C1F1308   C1F1308   C1F1308   C1F1308   O 5004 (A.115.9.65)   C1F1308   C1F1308   C1F1308   C1F1308   C1F1308   C1F1308   C1F1308   C1F1308   C1F1308   O 5005 (A.115.9.65)   C1F1308   C1							
O 5502 (A,13,55) Transistor UMT2N L 5202 (A,43,29) Inductor CTF1306 (A,50,112) Inductor LOKAW220,12520 (D,50,112) Inductor LOKAW210,12520 (D,50,112) Inductor CTF1306 (D,50,112) Inductor CTF1			,				
0 5602							
B							
B C         C 5604 (A,115,96) Transistor C 2SA1576A (A) L 5303 (A,81,102) Inductor CTF1306         C 5611 (A,127,69) Transistor CTF1306         C 5701 (A,127,69) Transistor CTF1306         C 5701 (A,137,63) Transistor CTF1306         C 5701 (A,137,63) Transistor CTF1306         C 5703 (A,128,63) Transistor CTF1306         UMF5N L 5402 (A,42,113) Inductor CTF1306         C 5703 (A,128,63) Transistor CTF1306         UMF5N L 5402 (A,42,113) Inductor CTF1306         C 5703 (A,128,63) Transistor FMG12 L 5403 (A,40,114) Inductor CTF1306         C 5703 (A,128,63) Transistor FMG12 L 5403 (A,40,114) Inductor CTF1306         C 5703 (A,24,173) Inductor CTF1306         C 5703 (A,24,213) Inductor CTF1306							
O 5605	В					,	
O 5611 (A,127,69) Transistor 2SC4617 L 5371 (A,96,102) Inductor CTF1306 C 5701 (A,137,63) Transistor UMF5N L 5401 (A,48,111) Inductor CTF1306 (A,748,171) Induct	Ь						
0 5701 (A.137,63) Transistor UMFSN L 5401 (A.48,111) Inductor CTF1306 C 5702 (A.141,63) Transistor UMFSN L 5402 (A.42,113) Inductor CTF1306 C 5705 (A.70.8) FET TS8M1 L 5404 (A.34,112) Inductor CTF1306 C 5705 (A.70.8) FET TS8M1 L 5404 (A.34,112) Inductor CTF1306 C 5705 (A.70.8) FET TS8M1 L 5404 (A.34,112) Inductor CTF1306 C 5705 (A.70.8) FET TS8M1 L 5405 (A.24,110) Inductor CTF1306 C 5705 (A.70.8) FET TS8M1 L 5406 (A.34,112) Inductor CTF1306 C 5705 (A.70.8) Diode UDZ55R6(B) L 5407 (A.26,110) Inductor CTF1306 D 5006 (A.114,39) Diode UDZ55R6(B) L 5407 (A.26,110) Inductor CTF1306 D 5007 (A.119,39) Diode UDZ55R6(B) L 5408 (A.36,112) Inductor CTF1306 D 5008 (A.122,37) Diode UDZ55R6(B) L 5409 (A.52,109) Inductor CTF1306 D 5101 (A.73,95) Diode B5500 (A.0.10,100 DIODE D 5008 (A.122,37) Diode UDZ55R6(B) L 5409 (A.52,109) Inductor CTF1306 D 5103 (A.87,85) Diode R5500 (A.0.10,100 DIODE D 5103 (A.87,85) Diode B5500 D 5103 (A.87,85) Diode B5500 D 5103 (A.87,85) Diode B5548W L 5411 (A.50,111) Inductor CTF1306 D 5103 (A.87,85) Diode B5548W L 5414 (A.20,106) Inductor CTF1306 D 5108 (A.70,64) Diode B5548W L 5416 (A.17,102) Inductor CTF1306 D 5108 (A.70,64) Diode R5548W L 5416 (A.17,102) Inductor CTF1306 D 5108 (A.70,64) Diode R5548W L 5416 (A.17,102) Inductor CTF1306 D 5201 (A.62,26) Diode UDZ56R2(B) L 5419 (A.20,104) Inductor CTF1306 D 5202 (A.41,36) Inductor CTF1306 D 5203 (A.48,30) Diode UDZ56R2(B) L 5419 (A.20,104) Inductor CTF1306 D 5204 (A.67,6) Diode UDZ56R2(B) L 5422 (A.19,36) Inductor CTF1306 D 5204 (A.67,6) Diode UDZ56R2(B) L 5422 (A.19,36) Inductor CTF1306 D 5204 (A.67,6) Diode UDZ56R2(B) L 5422 (A.19,36) Inductor CTF1306 D 5204 (A.67,6) Diode UDZ56R2(B) L 5422 (A.19,36) Inductor CTF1306 D 5204 (A.67,6) Diode UDZ56R2(B) L 5422 (A.19,36) Inductor CTF1306 D 5204 (A.67,6) Diode UDZ56R2(B) L 5422 (A.19,38) Inductor CTF1306 D 5209 (A.10,77) Diode MA147 L 5422 (A.19,38) Inductor CTF1306 D 5209 (A.10,77) Diode MA147 L 5422 (A.19,38) Inductor CTF1306 D 5209 (A.10,77) Diode MA147 L 5422 (A.19,38) Inductor CTF1306 D 5209 (A.1							
Q 5702 (A,141,63) Transistor         UMFSN (A)		0 5704	(A 107.00) Transister	LIMEGNI		(A 40 ddd) Indicator	OTE4000
□ 0 5703							
C 5705 (A.70.8) FET TS8M1 L 5404 (A.34.112) Inductor CTF1306 C 5706 (A.62.8) FET TS8M1 L 5405 (A.24.110) Inductor CTF1306 D 5006 (A.14.32.3) Diode UDZSSR6(B) L 5407 (A.26.110) Inductor CTF1306 D 5006 (A.14.39) Diode UDZSSR6(B) L 5407 (A.26.110) Inductor CTF1306 D 5007 (A.119.39) Diode UDZSSR6(B) L 5408 (A.36.112) Inductor CTF1306 D 5008 (A.122.37) Diode UDZSSR6(B) L 5408 (A.56.112) Inductor CTF1306 D 5008 (A.122.37) Diode UDZSSR6(B) L 5408 (A.56.112) Inductor CTF1306 D 5101 (A.73.95) Diode UDZSSR6(B) L 5409 (A.52.109) Inductor CTF1306 D 5101 (A.73.95) Diode RB500V-40 L 5410 (A.50.107) Inductor CTF1306 D 5101 (A.73.95) Diode RB500V-40 L 5412 (A.56.103) Inductor CTF1306 D 5101 (A.73.95) Diode RB500V-40 L 5412 (A.56.103) Inductor CTF1306 D 5103 (A.75.95) Diode RB540W L 5414 (A.20.106) Inductor CTF1306 D 5106 (A.83.64) Diode RB540W L 5414 (A.20.106) Inductor CTF1306 D 5106 (A.81.64) Diode RB540W L 5415 (A.20.106) Inductor CTF1306 D 5106 (A.81.64) Diode RB540W L 5416 (A.71.103) Inductor CTF1306 D 5108 (A.70.64) Diode RB540W L 5417 (A.17.102) Inductor CTF1306 D 5109 (A.68.64) Diode RB540W L 5417 (A.17.102) Inductor CTF1306 D 5202 (A.41.36) Diode RB540W L 5418 (A.54.100) Inductor CTF1306 D 5202 (A.41.36) Diode RB540W L 5419 (A.20.104) Inductor CTF1306 D 5202 (A.41.36) Diode RB540W L 5419 (A.20.104) Inductor CTF1306 D 5202 (A.41.36) Diode DDZ56R2(B) L 5419 (A.20.101) Inductor CTF1306 D 5202 (A.41.36) Diode DDZ56R2(B) L 5420 (A.54.88) Inductor CTF1306 D 5203 (A.58.30) Diode DDZ56R2(B) L 5422 (A.19.98) Inductor CTF1306 D 5205 (A.57.5) Diode DDZ56R2(B) L 5422 (A.19.98) Inductor CTF1306 D 5205 (A.57.5) Diode DDZ56R2(B) L 5422 (A.19.98) Inductor CTF1306 D 5207 (A.101.7) Diode MA147 L 5425 (A.54.44) Inductor CTF1306 D 5207 (A.101.7) Diode MA147 L 5426 (A.54.44) Inductor CTF1306 D 5207 (A.101.7) Diode MA147 L 5426 (A.54.44) Inductor CTF1306 D 5207 (A.54.71) LED CL-197H81-D(CDE) L 5430 (A.19.89) Inductor CTF1306 D 5271 (B.38.10) LED CL-197H81-D(CDE) L 5430 (A.19.89) Inductor CTF1306 D 5272 (B.52.10) LED CL-197H81-D(CDE) L 54							
Q 5706							
D 5006 (A,114,39) Diode UJZSSR6(B) L 5407 (A,26,110) Inductor CTF1306 D 5008 (A,122,37) Diode UJZSSR6(B) L 5408 (A,36,112) Inductor CTF1306 D 5101 (A,73,95) Diode UJZSSR6(B) L 5409 (A,52,109) Inductor CTF1306 D 5101 (A,73,95) Diode RB500V-40 L 5410 (A,50,1107) Inductor CTF1306 D 5101 (A,73,95) Diode RB500V-40 L 5410 (A,50,1107) Inductor CTF1306 D 5103 (A,87,85) Diode RB500V-40 L 5411 (A,50,111) Inductor CTF1306 D 5103 (A,87,85) Diode RB500V-40 L 5412 (A,54,103) Inductor CTF1306 D 5104 (A,87,70) Diode RB160M-30 L 5413 (A,21,107) Inductor CTF1306 D 5104 (A,87,70) Diode RB164BW L 5414 (A,20,106) Inductor CTF1306 D 5106 (A,81,64) Diode RB548W L 5415 (A,20,104) Inductor CTF1306 D 5106 (A,81,64) Diode RB548W L 5415 (A,20,104) Inductor CTF1306 D 5108 (A,70,64) Diode RB548W L 5415 (A,20,104) Inductor CTF1306 D 5109 (A,68,64) Diode RB548W L 5417 (A,17,102) Inductor CTF1306 D 5109 (A,68,64) Diode RB548W L 5418 (A,54,100) Inductor CTF1306 D 5202 (A,41,36) Diode RB548W L 5418 (A,54,100) Inductor CTF1306 D 5202 (A,41,36) Diode RB548W L 5418 (A,54,100) Inductor CTF1306 D 5202 (A,41,36) Diode RB548W L 5418 (A,54,100) Inductor CTF1306 D 5202 (A,41,36) Diode RB548W L 5418 (A,54,100) Inductor CTF1306 D 5202 (A,61,57,5) Diode UJZSSR2(B) L 5419 (A,20,101) Inductor CTF1306 D 5202 (A,61,57,5) Diode UJZSSR2(B) L 5422 (A,19,98) Inductor CTF1306 D 5203 (A,80,80) Diode UJZSSR2(B) L 5422 (A,19,98) Inductor CTF1306 D 5209 (A,62,73) Diode UJZSSR2(B) L 5424 (A,15,98) Inductor CTF1306 D 5209 (A,60,70,7) Diode MA147 L 5425 (A,19,99) Inductor CTF1306 D 5209 (A,07,77) Diode MA147 L 5426 (A,19,99) Inductor CTF1306 D 5271 (B,38,10) LED CL-197HB1-D(CDE) L 5429 (A,19,99) Inductor CTF1306 D 5272 (B,51,01) LED CL-197HB1-D(CDE) L 5429 (A,19,99) Inductor CTF1306 D 5273 (B,37,10) LED CL-195RCD L 5430 (A,19,89) Inductor CTF1306 D 5273 (B,37,10) LED CL-195RCD L 5431 (A,54,88) Inductor CTF1306 D 5273 (B,37,10) LED CL-195RCD L 5432 (A,54,88) Inductor CTF1306 D 5273 (B,37,10) LED CL-195RCD L 5436 (A,19,89) Inductor CTF1306 D 5273 (B,37,10) LED CL-195RCD L 5			, , ,				
D 5006 (A,114,39) Diode UJZSSR6(B) L 5407 (A,26,110) Inductor CTF1306 D 5008 (A,122,37) Diode UJZSSR6(B) L 5408 (A,36,112) Inductor CTF1306 D 5101 (A,73,95) Diode UJZSSR6(B) L 5409 (A,52,109) Inductor CTF1306 D 5101 (A,73,95) Diode RB500V-40 L 5410 (A,50,1107) Inductor CTF1306 D 5101 (A,73,95) Diode RB500V-40 L 5410 (A,50,1107) Inductor CTF1306 D 5103 (A,87,85) Diode RB500V-40 L 5411 (A,50,111) Inductor CTF1306 D 5103 (A,87,85) Diode RB500V-40 L 5412 (A,54,103) Inductor CTF1306 D 5104 (A,87,70) Diode RB160M-30 L 5413 (A,21,107) Inductor CTF1306 D 5104 (A,87,70) Diode RB164BW L 5414 (A,20,106) Inductor CTF1306 D 5106 (A,81,64) Diode RB548W L 5415 (A,20,104) Inductor CTF1306 D 5106 (A,81,64) Diode RB548W L 5415 (A,20,104) Inductor CTF1306 D 5108 (A,70,64) Diode RB548W L 5415 (A,20,104) Inductor CTF1306 D 5109 (A,68,64) Diode RB548W L 5417 (A,17,102) Inductor CTF1306 D 5109 (A,68,64) Diode RB548W L 5418 (A,54,100) Inductor CTF1306 D 5202 (A,41,36) Diode RB548W L 5418 (A,54,100) Inductor CTF1306 D 5202 (A,41,36) Diode RB548W L 5418 (A,54,100) Inductor CTF1306 D 5202 (A,41,36) Diode RB548W L 5418 (A,54,100) Inductor CTF1306 D 5202 (A,41,36) Diode RB548W L 5418 (A,54,100) Inductor CTF1306 D 5202 (A,61,57,5) Diode UJZSSR2(B) L 5419 (A,20,101) Inductor CTF1306 D 5202 (A,61,57,5) Diode UJZSSR2(B) L 5422 (A,19,98) Inductor CTF1306 D 5203 (A,80,80) Diode UJZSSR2(B) L 5422 (A,19,98) Inductor CTF1306 D 5209 (A,62,73) Diode UJZSSR2(B) L 5424 (A,15,98) Inductor CTF1306 D 5209 (A,60,70,7) Diode MA147 L 5425 (A,19,99) Inductor CTF1306 D 5209 (A,07,77) Diode MA147 L 5426 (A,19,99) Inductor CTF1306 D 5271 (B,38,10) LED CL-197HB1-D(CDE) L 5429 (A,19,99) Inductor CTF1306 D 5272 (B,51,01) LED CL-197HB1-D(CDE) L 5429 (A,19,99) Inductor CTF1306 D 5273 (B,37,10) LED CL-195RCD L 5430 (A,19,89) Inductor CTF1306 D 5273 (B,37,10) LED CL-195RCD L 5431 (A,54,88) Inductor CTF1306 D 5273 (B,37,10) LED CL-195RCD L 5432 (A,54,88) Inductor CTF1306 D 5273 (B,37,10) LED CL-195RCD L 5436 (A,19,89) Inductor CTF1306 D 5273 (B,37,10) LED CL-195RCD L 5		D 5005	(A 122 33) Diode	UDZS5R6(R)	I 5406	(A 33 112) Inductor	CTF1306
C D 5007 (A,119,39) Diode UDZSSR6(B) L 5408 (A,36,112) Inductor CTF1306 D 5101 (A,73,95) Diode RB500V-40 L 5410 (A,50,107) Inductor CTF1306 D 5101 (A,73,95) Diode RB500V-40 L 5411 (A,50,117) Inductor CTF1306 D 5103 (A,67,85) Diode RB500V-40 L 5411 (A,50,111) Inductor CTF1306 D 5103 (A,67,85) Diode RSX201L-30 L 5412 (A,54,103) Inductor CTF1306 D 5104 (A,87,85) Diode RB500V-40 L 5411 (A,50,111) Inductor CTF1306 D 5104 (A,87,85) Diode RB500W-40 L 5412 (A,54,103) Inductor CTF1306 D 5104 (A,87,85) Diode RB5648W L 5414 (A,20,106) Inductor CTF1306 D 5104 (A,81,41) Diode RB548W L 5414 (A,20,106) Inductor CTF1306 D 5106 (A,31,64) Diode RB548W L 5415 (A,20,104) Inductor CTF1306 D 5109 (A,68,64) Diode RB548W L 5417 (A,17,102) Inductor CTF1306 D 5109 (A,68,64) Diode RB548W L 5418 (A,54,100) Inductor CTF1306 D 5109 (A,68,64) Diode RB548W L 5418 (A,54,100) Inductor CTF1306 D 5201 (A,62,26) Diode UDZSSR2(B) L 5419 (A,20,101) Inductor CTF1306 D 5202 (A,41,36) Diode UDZSSR2(B) L 5419 (A,20,101) Inductor CTF1306 D 5202 (A,41,36) Diode UDZSSR2(B) L 5420 (A,54,98) Inductor CTF1306 D 5204 (A,67,6) Diode UDZSSR2(B) L 5420 (A,54,98) Inductor CTF1306 D 5205 (A,57,5) Diode UDZSSR2(B) L 5422 (A,19,96) Inductor CTF1306 D 5205 (A,57,5) Diode UDZSSR2(B) L 5423 (A,15,96) Inductor CTF1306 D 5209 (A,10,77) Diode MA147 L 5425 (A,54,94) Inductor CTF1306 D 5207 (A,101,77) Diode MA147 L 5425 (A,54,94) Inductor CTF1306 D 5272 (B,38,10) LED CL-197HB1-D(CDE) L 5428 (A,54,94) Inductor CTF1306 D 5273 (B,30,10) LED CL-197HB1-D(CDE) L 5431 (A,54,88) Inductor CTF1306 D 5272 (B,68,10) LED CL-197HB1-D(CDE) L 5434 (A,15,95) Inductor CTF1306 D 5272 (B,68,10) LED CL-197HB1-D(CDE) L 5434 (A,15,95) Inductor CTF1306 D 5272 (B,68,10) LED CL-197HB1-D(CDE) L 5434 (A,15,95) Inductor CTF1306 D 5273 (B,64,10) LED CL-197HB1-D(CDE) L 5434 (A,15,95) Inductor CTF1306 D 5273 (B,64,10) LED CL-197HB1-D(CDE) L 5436 (A,19,85) Inductor CTF1306 D 5273 (B,64,10) LED CL-197HB1-D(CDE) L 5436 (A,19,85) Inductor CTF1306 D 5272 (B,68,10) LED CL-197HB1-D(CDE) L 5436 (A,19,85) Inductor			,				
C         D         5008         (A,122,37)         Diode         RB500V-40         L         5410         (A,52,109)         Inductor         CTF1306           D         5101         (A,73,395)         Diode         RB500V-40         L         5410         (A,50,107)         Inductor         CTF1306           D         5103         (A,87,300)         Diode         RB500V-40         L         5412         (A,54,103)         Inductor         CTF1306           D         5103         (A,87,70)         Diode         RB540W         L         5413         (A,21,107)         Inductor         CTF1306           I         D         5105         (A,83,64)         Diode         RB548W         L         5415         (A,20,104)         Inductor         CTF1306           D         5109         (A,76,44)         Diode         RB548W         L         5416         (A,17,103)         Inductor         CTF1306           D         5109         (A,88,64)         Diode         RB548W         L         5418         (A,54,100)         Inductor         CTF1306           D         5203         (A,64,36)         Diode         RB548W         L         5418         (A,54,81)         Inductor </td <td></td> <td></td> <td></td> <td>` ,</td> <td></td> <td></td> <td></td>				` ,			
D 5102 (A,73,100) Diode RB500V-40 L 5411 (A,50,111) Inductor CTF1306 D 5103 (A,87,85) Diode RSX201L-30 L 5412 (A,54,103) Inductor CTF1306 (A,67,70) Diode RB160M-30 L 5413 (A,21,107) Inductor CTF1306 D 5105 (A,83,64) Diode RB548W L 5414 (A,20,104) Inductor CTF1306 D 5106 (A,81,64) Diode RB548W L 5415 (A,20,104) Inductor CTF1306 D 5108 (A,70,64) Diode RB548W L 5416 (A,71,103) Inductor CTF1306 D 5108 (A,70,64) Diode RB548W L 5417 (A,71,702) Inductor CTF1306 D 5108 (A,70,64) Diode RB548W L 5417 (A,71,702) Inductor CTF1306 D 5201 (A,62,26) Diode UDZ56R2(B) L 5419 (A,20,101) Inductor CTF1306 D 5202 (A,41,36) Diode UDZ56R2(B) L 5419 (A,20,101) Inductor CTF1306 D 5202 (A,41,36) Diode UDZ56R2(B) L 5420 (A,54,98) Inductor CTF1306 D 5203 (A,48,30) Diode UDZ56R2(B) L 5422 (A,19,96) Inductor CTF1306 D 5205 (A,57,5) Diode UDZ56R2(B) L 5422 (A,19,96) Inductor CTF1306 D 5205 (A,57,5) Diode UDZ56R2(B) L 5422 (A,19,96) Inductor CTF1306 D 5206 (A,82,23) Diode UDZ56R2(B) L 5422 (A,19,96) Inductor CTF1306 D 5206 (A,82,23) Diode UDZ56R2(B) L 5423 (A,15,95) Inductor CTF1306 D 5208 (A,10,77) Diode MA147 L 5425 (A,54,94) Inductor CTF1306 D 5209 (A,10,77) Diode MA147 L 5427 (A,19,92) Inductor CTF1306 D 5271 (A,10,77) Diode MA147 L 5427 (A,19,92) Inductor CTF1306 D 5272 (B,52,10) LED CL-197HB1-D(CDE) L 5428 (A,54,91) Inductor CTF1306 D 5272 (B,52,10) LED CL-197HB1-D(CDE) L 5428 (A,54,91) Inductor CTF1306 D 5272 (B,52,10) LED CL-197HB1-D(CDE) L 5430 (A,19,89) Inductor CTF1306 D 5933 (B,65,10) LED CL-197HB1-D(CDE) L 5430 (A,19,89) Inductor CTF1306 D 5933 (B,65,10) LED CL-197HB1-D(CDE) L 5436 (A,19,82) Inductor CTF1306 D 5931 (B,65,10) LED CL-197HB1-D(CDE) L 5430 (A,19,89) Inductor CTF1306 D 5932 (A,57,11) LED CL-197HB1-D(CDE) L 5430 (A,19,89) Inductor CTF1306 L 5410 (A,67,75) Ferrite Bead CTF1528 L 5102 (A,93,95) Choke Coil 10 μH CTH1249 L 5440 (A,47,75) Ferrite Bead CTF1528 L 5104 (A,93,95) Choke Coil 10 μH CTH1249 L 5440 (A,47,75) Ferrite Bead CTF1528 L 5104 (A,84,61) Inductor CTF1306 L 5441 (A,46,74) Ferrite Bead CTF1528 L 5105 (A,84,6	С			` ,			
D 5103 (A,87,85) Diode RSX201L-30 L 5412 (A,54,103) Inductor CTF1306 D 5104 (A,87,70) Diode RB160M-30 L 5413 (A,21,107) Inductor CTF1306 D 5105 (A,83,64) Diode RB548W L 5414 (A,20,106) Inductor CTF1306 D 5106 (A,81,64) Diode RB548W L 5415 (A,20,104) Inductor CTF1306 D 5108 (A,70,64) Diode RB548W L 5416 (A,17,102) Inductor CTF1306 D 5108 (A,70,64) Diode RB548W L 5417 (A,17,102) Inductor CTF1306 D 5109 (A,68,64) Diode RB548W L 5418 (A,54,100) Inductor CTF1306 D 5109 (A,68,64) Diode RB548W L 5418 (A,54,100) Inductor CTF1306 D 5201 (A,62,62) Diode UDZ56R2(B) L 5419 (A,20,101) Inductor CTF1306 D 5201 (A,62,62) Diode UDZ56R2(B) L 5419 (A,20,101) Inductor CTF1306 D 5201 (A,62,63) Diode UDZ56R2(B) L 5420 (A,54,98) Inductor CTF1306 D 5206 (A,67,6) Diode UDZ56R2(B) L 5420 (A,19,96) Inductor CTF1306 D 5206 (A,67,6) Diode UDZ56R2(B) L 5422 (A,19,96) Inductor CTF1306 D 5206 (A,67,6) Diode UDZ56R2(B) L 5422 (A,19,96) Inductor CTF1306 D 5206 (A,67,6) Diode UDZ56R2(B) L 5422 (A,19,96) Inductor CTF1306 D 5206 (A,67,5) Diode UDZ56R2(B) L 5424 (A,16,96) Inductor CTF1306 D 5206 (A,82,23) Diode UDZ56R2(B) L 5426 (A,19,96) Inductor CTF1306 D 5206 (A,82,23) Diode UDZ56R2(B) L 5426 (A,19,93) Inductor CTF1306 D 5209 (A,107,7) Diode MA147 L 5425 (A,54,94) Inductor CTF1306 D 5209 (A,107,7) Diode MA147 L 5425 (A,54,94) Inductor CTF1306 D 5271 (B,38,10) LED CL-197HB1-D(CDE) L 5429 (A,19,92) Inductor CTF1306 D 5271 (B,38,10) LED CL-197HB1-D(CDE) L 5429 (A,19,90) Inductor CTF1306 D 5271 (B,38,10) LED CL-197HB1-D(CDE) L 5430 (A,19,89) Inductor CTF1306 D 5931 (A,19,80) Diode MA111 L 5433 (A,19,87) Inductor CTF1306 D 5931 (A,19,80) Diode MA111 L 5433 (A,19,87) Inductor CTF1306 D 5931 (A,19,80) Diode MA111 L 5433 (A,19,87) Inductor CTF1306 D 5931 (A,19,80) Diode MA111 L 5433 (A,19,87) Inductor CTF1306 D 5931 (A,19,80) Diode MA111 L 5433 (A,19,87) Inductor CTF1306 D 5931 (A,19,80) Diode MA111 L 5433 (A,19,87) Inductor CTF1306 D 5931 (A,19,80) Diode MA111 L 5433 (A,19,80) Inductor CTF1306 D 5931 (A,19,80) Diode MA111 L 5433 (A,19,80) Inductor CTF		D 5101	(A,73,95) Diode	RB500V-40	L 5410	(A,50,107) Inductor	CTF1306
<ul> <li>D 5104 (A,87.70) Diode RB160M-30</li> <li>L 5413 (A,21.107) Inductor CTF1306</li> <li>D 5105 (A,83.64) Diode RB548W</li> <li>L 5415 (A,20.104) Inductor CTF1306</li> <li>D 5106 (A,81.64) Diode RB548W</li> <li>L 5415 (A,20.104) Inductor CTF1306</li> <li>D 5107 (A,72.64) Diode RB548W</li> <li>L 5416 (A,17.102) Inductor CTF1306</li> <li>D 5109 (A,86.64) Diode RB548W</li> <li>L 5417 (A,17.102) Inductor CTF1306</li> <li>D 5109 (A,86.64) Diode RB548W</li> <li>L 5418 (A,51.00) Inductor CTF1306</li> <li>D 5201 (A,82.26) Diode UDZ56R2(B)</li> <li>D 5202 (A,41.36) Diode ISS355</li> <li>L 5420 (A,54.98) Inductor CTF1306</li> <li>D 5204 (A,67.6) Diode UDZ56R2(B)</li> <li>D 5204 (A,67.6) Diode UDZ56R2(B)</li> <li>D 5204 (A,67.6) Diode UDZ56R2(B)</li> <li>D 5205 (A,57.5) Diode UDZ56R2(B)</li> <li>D 5206 (A,57.5) Diode UDZ56R2(B)</li> <li>D 5206 (A,57.5) Diode UDZ56R2(B)</li> <li>D 5206 (A,57.5) Diode UDZ56R2(B)</li> <li>D 5207 (A,101.7) Diode MA147</li> <li>D 5208 (A,98.8) Diode UDZ56R2(B)</li> <li>D 5209 (A,107.7) Diode MA147</li> <li>D 5201 (B,32.10) LED CL-197HB1-D(CDE) L 5428 (A,54.91) Inductor CTF1306</li> <li>D 5271 (B,38.10) LED CL-1958R-CD L 5430 (A,19.90) Inductor CTF1306</li> <li>D 5272 (B,50.10) LED CL-1958R-CD L 5432 (A,54.86) Inductor CTF1306</li> <li>D 5275 (B,64.10) LED CL-1958R-CD L 5432 (A,54.86) Inductor CTF1306</li> <li>D 5981 (A,46.13) LED CL-1958R-CD L 5434 (A,19.85) Inductor CTF130</li></ul>		D 5102	(A,73,100) Diode	RB500V-40	L 5411	(A,50,111) Inductor	CTF1306
■         D 5105         (A,83,64)         Diode         RB548W         L 5415         (A,20,106)         Inductor         CTF1306           D 5106         (A,81,64)         Diode         RB548W         L 5415         (A,20,104)         Inductor         CTF1306           D 5108         (A,72,64)         Diode         RB548W         L 5417         (A,17,102)         Inductor         CTF1306           D 5109         (A,68,64)         Diode         RB548W         L 5418         (A,54,100)         Inductor         CTF1306           D 5201         (A,62,26)         Diode         UDZ56R2(B)         L 5419         (A,20,101)         Inductor         CTF1306           D 5202         (A,41,36)         Diode         UDZ56R2(B)         L 5421         (A,17,98)         Inductor         CTF1306           D 5203         (A,48,30)         Diode         UDZ56R2(B)         L 5422         (A,19,98)         Inductor         CTF1306           D 5205         (A,57,5)         Diode         UDZ56R2(B)         L 5423         (A,19,96)         Inductor         CTF1306           D 5206         (A,82,23)         Diode         UDZ56R2(B)         L 5423         (A,19,40         Inductor         CTF1306           T 5209 </td <td></td> <td></td> <td></td> <td>RSX201L-30</td> <td></td> <td></td> <td>CTF1306</td>				RSX201L-30			CTF1306
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280 AVIC-N4/XU/UC							
Z0U			(A,O+,OT) IIIUUCIUI			(A,40,70) Femile Dead	011 1020
	<b>=</b> <sup>2</sup>	280	1 -		.5/05	3	4

Circ	uit Symbol and No.	Part No.	Circ	cuit Symbol and No.	Part No.	
L 5445	(A,43,74) Inductor	CTF1306	D 5000	(4.100.40)	DC4/40000D0 I	
1 5440	(A 00 77) Family Dand	OTE4500	R 5006	(A,100,48)	RS1/16SS0R0J	
L 5446	(A,39,77) Ferrite Bead (A,39,75) Ferrite Bead	CTF1528 CTF1528	R 5008 R 5015	(A,98,48) (A,108,100)	RS1/16SS0R0J RS1/16S101J	Α
L 5447 L 5448	(A,38,77) Ferrite Bead	CTF1528	R 5016	(A, 100, 100) (A, 107,99)	RS1/16S0R0J	^
L 5449	(A,38,77) Ferrite Bead (A,38,75) Ferrite Bead	CTF1528	R 5019	(A, 107,99) (A, 111,97)	RS1/16S0R0J	
L 5450	(A,37,77) Ferrite Bead	CTF1528	11 3019	(A, 111,91)	1131/10301103	
L 3430	(A,57,77) Territe Beau	011 1320	R 5020	(A,114,99)	RS1/16S0R0J	
L 5451	(A,37,75) Ferrite Bead	CTF1528	R 5101	(A,70,94)	RS1/16SS684J	
L 5452	(A,36,74) Inductor	CTF1306	R 5102	(A,70,99)	RS1/16SS474J	
L 5453	(A,35,75) Ferrite Bead	CTF1528	R 5103	(A,70,89)	RS1/16S0R0J	
L 5454	(A,35,77) Ferrite Bead	CTF1528	R 5104	(A,72,90)	RS1/16S6801F	
L 5455	(A,34,73) Ferrite Bead	CTF1528		(-,,,		
	( ,= , =,		R 5105	(A,89,95)	RS1/16S0R0J	
L 5456	(A,33,77) Ferrite Bead	CTF1528	R 5106	(A,80,88)	RS1/16S0R0J	
L 5457	(A,33,75) Ferrite Bead	CTF1528	R 5107	(A,75,90)	RS1/16S201J	
L 5458	(A,33,73) Ferrite Bead	CTF1528	R 5108	(A,81,86)	RS1/16S1001D	В
L 5459	(A,28,75) Ferrite Bead	CTF1528	R 5109	(A,71,88)	RS1/16S1001D	
L 5460	(A,29,77) Ferrite Bead	CTF1528				
			R 5110	(A,75,88)	RS1/16S682J	
L 5461	(A,27,75) Ferrite Bead	CTF1528	R 5111	(A,66,81)	RS1/16S5100F	
L 5462	(A,27,77) Ferrite Bead	CTF1528	R 5112	(A,81,84)	RS1/16S1600D	
L 5463	(A,25,75) Ferrite Bead	CTF1528	R 5113	(A,78,87)	RS1/16S102J	
L 5464	(A,26,77) Ferrite Bead	CTF1528	R 5114	(A,69,82)	RS1/16S0R0J	-
L 5465	(A,25,77) Ferrite Bead	CTF1528				
			R 5115	(A,78,85)	RS1/16S2700D	
L 5466	(A,48,75) Inductor	CTF1306	R 5116	(A,66,82)	RS1/16S2001F	
L 5467	(A,31,74) Inductor	CTF1306	R 5117	(A,73,85)	RS1/16S684J	
L 5468	(A,30,74) Inductor	CTF1306	R 5118	(A,77,82)	RS1/16S333J	_
L 5469	(A,50,74) Inductor	CTF1306	R 5119	(A,73,82)	RS1/16S123J	С
L 5470	(A,42,74) Inductor	CTF1306				
			R 5120	(A,82,81)	RS1/16S273J	
L 5471	(A,41,74) Inductor	CTF1306	R 5121	(A,83,83)	RS1/16S150J	
L 5472	(A,19,78) Inductor	LCKAW101J2520	R 5122	(A,87,73)	RS1/16S150J	
L 5490	(A,21,99) Inductor	CTF1306	R 5123	(A,82,75)	RS1/16S563J	
L 5491	(A,18,99) Inductor	CTF1306	R 5124	(A,74,67)	RS1/16S5102D	
L 5492	(A,21,98) Inductor	CTF1306		(4)	50.44.50.55.	
1 5504	(A 45 77) Ladester	OTE4000	R 5125	(A,68,68)	RS1/16S0R0J	
L 5501	(A,15,77) Inductor	CTF1306	R 5126	(A,67,70)	RS1/16S1002F	
L 5502	(A,7,79) Inductor	LCKAW101J2520	R 5127	(A,76,65)	RS1/16S4300D	
L 5503 L 5504	(A,9,75) Inductor	LCKAW101J2520 CTF1306	R 5128 R 5129	(A,66,69)	RS1/16S1802F RS1/16S1802D	
L 5504 L 5505	(A,53,62) Inductor (A,22,70) Inductor	DTL1096	n 5129	(A,77,67)	N3 1/103 1002D	D
L 3303	(A,22,70) Inductor	D1L1090	R 5130	(A,66,66)	RS1/16S2202F	
L 5506	(A,15,65) Inductor	DTL1096	R 5131	(A,66,64)	RS1/16S0R0J	
L 5508	(A,49,72) Inductor	CTF1306	R 5132	(A,78,64)	RS1/16S3303D	
L 5509	(A,28,70) Inductor	CTF1635	R 5133	(A,81,69)	RS1/16S0R0J	
L 5510	(A,20,70) Inductor	CTF1635	R 5134	(A,79,61)	RS1/16S0R0J	
L 5511	(A,62,82) Inductor	CTF1635	11 0101	(,,,,,,,,,,,	1101/10001100	
_ 00	(* 1,02,02)	0111000	R 5201	(A,49,33)	RS1/16S103J	-
L 5601	(A,124,62) Inductor	CTF1635	R 5202	(A,60,27)	RS1/16S103J	
L 5607	(A,15,92) Inductor	CTF1635	R 5203	(A,62,28)	RS1/16S104J	
L 5701	(A,137,58) Inductor	CTF1379	R 5204	(A,46,34)	RS1/16S103J	
T 5201	(B,92,10) Transformer	CTT1130	R 5205	(A,58,32)	RS1/16S473J	
TH5601	(A,118,107) Thermistor	CCX1051				_
			R 5206	(A,42,33)	RS1/16S472J	Е
X 5401	(A,45,112) Crystal Resona	ator 42 MHz CSS1604	R 5207	(A,60,32)	RS1/16S105J	
X 5601	(A,126,96) Radiator 12.58	MHz CSS1601	R 5208	(A,40,33)	RS1/16S473J	
S 5251	(B,65,14) Push Switch	CSG1155	R 5209	(A,41,27)	RS1/16S333J	
S 5252	(B,51,14) Push Switch	CSG1155	R 5210	(A,50,25)	RS1/16S513J	
S 5253	(B,37,14) Push Switch	CSG1155				_
			R 5211	(A,48,27)	RS1/16S103J	
VR5201	(A,37,24) Semi-fixed 15 k	ohm(B) CCP1397	R 5212	(A,54,15)	RS1/16S105J	
			R 5213	(A,45,29)	RS1/16S102J	
<u>RESISTO</u>	<u>н5</u>		R 5214	(A,38,20)	RS1/16S5602D	
			R 5215	(A,65,6)	RS1/16S103J	
R 5001	(A,117,34)	RS1/16S0R0J	B	(4.50.5)	D04/400455	
R 5002	(A,116,34)	RS1/16S0R0J	R 5216	(A,59,5)	RS1/16S103J	F
R 5003	(A,114,34)	RS1/16S0R0J	R 5217	(A,79,20)	RS1/16S103J	
R 5004	(A,119,34)	RS1/16S0R0J	R 5218	(A,86,18)	RS1/16S621J	
R 5005	(A,99,48)	RS1/16SS0R0J	R 5219	(A,79,22)	RS1/16S104J	
			R 5220	(A,85,24)	RS1/16S473J	
			AVIC-N4/XU/UC			281 _
	5	6		7	8	_5.

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	Circ	cuit Symbol and No.	Part No.	<u>Cir</u>	cuit Symbol and No.	Part No.
	R 5221	(A,83,16)	RS1/16S621J	R 5503	(A,7,86)	RS1/16S101J
	R 5222	(A,82,18)	RS1/16S101J	R 5504	(A,17,75)	RS1/16SS681J
Α	R 5223	(A,81,18)	RS1/16S101J	R 5506	(A,13,82)	RS1/16S101J
	R 5224	(A,75,18)	RS1/16S821J	R 5507	(A,13,71)	RS1/16SS472J
	R 5225	(A,95,8)	RS1/16S471J	R 5508	(A,8,65)	RS1/16S3302F
	R 5227	(A,40,19)	RS1/16S0R0J	R 5509	(A,57,64)	RS1/16S6800D
	R 5253	(B,56,13)	RS1/16S122J	R 5510	(A,11,60)	RS1/16S223J
	R 5254	(B,42,13)	RS1/16S222J	R 5512	(A,52,64)	RS1/16S27R0D
	R 5271 R 5272	(A,31,9) (A,32,9)	RS1/16S331J RS1/16S331J	R 5513 R 5514	(A,54,64) (A,56,63)	RS1/16S10R0D RS1/16S1000D
	R 5273	(A,34,9)	RS1/16S331J	R 5515	(A,59,66)	RS1/16S82R0F
	R 5274	(A,31,5)	RS1/16S221J	R 5516	(A,58,70)	RS1/16S56R0D
	R 5275	(A,32,5)	RS1/16S271J	R 5517	(A,57,70)	RS1/16S47R0D
В	R 5279	(A,31,11)	RS1/16S181J	R 5518	(A,56,70)	RS1/16S36R0D
	R 5280	(A,32,11)	RS1/16S271J	R 5519	(A,54,70)	RS1/16S33R0F
	R 5301	(A,77,112)	RS1/16S0R0J	R 5520	(A,53,70)	RS1/16S27R0D
	R 5302	(A,77,110)	RS1/16S104J	R 5521	(A,51,70)	RS1/16S1800D
	R 5303	(A,74,107)	RS1/16S153J	R 5522	(A,50,70)	RS1/16S82R0F
	R 5304	(A,71,107)	RS1/16S104J	R 5523	(A,49,70)	RS1/16S12R0F
	R 5305	(A,69,109)	RS1/16S681J	R 5524	(A,8,62)	RS1/16S5602F
	R 5306	(A,71,109)	RS1/16S471J	R 5525	(A,9,60)	RS1/16S101J
	R 5307	(A,64,109)	RS1/16S272J	R 5526	(A,8,52)	RS1/16SS153J
	R 5308	(A,60,111)	RS1/16S392J	R 5527	(A,14,52)	RS1/16S153J
	R 5331	(A,89,109)	RS1/16S103J	R 5528	(A,11,55)	RS1/16SS0R0J
С	R 5332	(A,88,107)	RS1/16SS0R0J	R 5529	(A,12,52)	RS1/16S0R0J
	R 5333	(A,81,109)	RS1/16S101J	R 5530	(A,32,66)	RS1/16SS102J
	R 5351	(A,101,62)	RS1/16S75R0D	R 5531	(A,9,58)	RS1/16S100J
	R 5352	(A,103,66)	RS1/16S220J	R 5532	(A,11,57)	RS1/16SS100J
	R 5353	(A,103,59)	RS1/16S75R0D	R 5533	(A,9,52)	RS1/16S0R0J
	R 5354	(A,105,63)	RS1/16S220J	R 5534	(A,11,52)	RS1/16S0R0J
	R 5355	(A,105,56)	RS1/16S75R0D	R 5601	(A,107,92)	RS1/16S273J
	R 5356	(A,107,59)	RS1/16S220J	R 5602	(A,109,94)	RS1/16S473J
	R 5357	(A,32,115)	RS1/16SS105J	R 5603	(A,15,88)	RS1/16S471J
	R 5358	(A,33,115)	RS1/16SS105J	R 5604	(A,136,93)	RS1/16SS0R0J
D	R 5359	(A,34,115)	RS1/16SS105J	R 5605	(A,113,92)	RS1/16S273J
_	R 5371	(A,98,104)	RS1/10S103J	R 5606	(A,115,93)	RS1/16S473J
	R 5372	(A,96,104)	RS1/16SS0R0J	R 5607	(A,139,93)	RS1/16S103J
	R 5373	(A,91,107)	RS1/16S101J	R 5608	(A,137,93)	RS1/16SS0R0J
	R 5401	(A,44,108)	RS1/16SS391J	R 5609	(A,133,98)	RS1/16S104J
_	R 5402	(A,59,113)	RS1/16S0R0J	R 5610	(A,113,82)	RAB4CQ471J
	R 5403	(A,45,108)	RS1/16SS105J	R 5611	(A,126,71)	RS1/16S473J
	R 5404	(A,39,110)	RS1/16SS331J	R 5612	(A,126,67)	RS1/16S103J
	R 5405	(A,37,111)	RS1/16SS152J	R 5614	(A,113,78)	RAB4CQ471J
	R 5407	(A,18,106)	RS1/16S0R0J	R 5619	(A,138,79)	RS1/16S471J
	R 5408	(A,17,105)	RS1/16S101J	R 5620	(A,125,70)	RS1/16S471J
Е	R 5410	(A,15,103)	RS1/16S101J	R 5621	(A,121,66)	RS1/16S470J
	R 5414	(A,17,93)	RS1/16SS333J	R 5623	(A,121,69)	RS1/16S470J
	R 5418	(A,44,70)	RAB4CQ221J	R 5624	(A,120,69)	RS1/16S272J
	R 5419	(A,41,70)	RAB4CQ221J	R 5625	(A,120,66)	RS1/16S272J
	R 5420	(A,35,71)	RAB4CQ221J	R 5630	(A,118,108)	RS1/16S153J
	R 5421	(A,22,76)	RAB4CQ221J	R 5631	(A,133,95)	RS1/16S101J
	R 5422	(A,47,71)	RS1/16SS221J	R 5633	(A,116,66)	RAB4CQ473J
	R 5423	(A,46,70)	RS1/16SS221J	R 5636	(A,138,81)	RAB4CQ102J
	R 5424	(A,38,73)	RS1/16SS221J	R 5637	(A,144,75)	RS1/16S473J
	R 5425	(A,37,73)	RS1/16SS221J	R 5638	(A,141,84)	RS1/16S473J
F	R 5426	(A,33,71)	RS1/16SS221J	R 5640	(A,130,70)	RS1/16S471J
	R 5427	(A,32,71)	RS1/16SS221J	R 5641	(A,121,96)	RAB4CQ472J
	R 5428	(A,30,72)	RS1/16SS221J	R 5646	(A,131,70)	RS1/16S102J
	R 5429 R 5430	(A,28,73)	RS1/16SS221J RS1/16SS221J	R 5651 R 5652	(A,119,62)	RS1/16S0R0J RAB4CQ471J
		(A,25,74)	AVIC-N4/XL		(A,113,85)	NAD40Q4/ IJ
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Circ	cuit Symbol and No.	Part No.	Ci	rcuit Symbol and No.	Part No.	
			C 5119	(A,65,86)	CKSRYB104K50	
R 5659	(A,124,106)	RS1/16S473J	C 5121	(A,73,88)	CKSRYB473K50	
R 5674	(A,138,84)	RS1/16S473J	C 5122	(A,89,89) 68 μF/6.3 V	CCH1440	
R 5675	(A,138,86)	RS1/16S473J		( ,, о ,, о о )		Α
R 5678	(A,141,92)	RS1/16S473J	C 5123	(A,78,89)	CCSRCH331J50	
R 5680	(A,143,92)	RS1/16S473J	C 5124	(A,92,90)	CKSRYB104K50	
	(-,,-,-,-)		C 5125	(A,70,85)	CKSRYB104K50	
R 5683	(A,145,87)	RS1/16S473J	C 5126	(A,68,86)	CSZS100M16	
R 5684	(A,146,92)	RS1/16S473J	C 5127	(A,75,85)	CKSRYB103K50	
R 5692	(A,131,98)	RS1/16S104J	0 0127	(71,70,00)	ONOTH DIRECTOR	_
R 5693	(A,131,95)	RS1/16S471J	C 5128	(A,77,85)	CCSRCH101J50	
R 5694	(A,130,95)	RS1/16S471J	C 5130	(A,78,82)	CKSRYB103K50	
11 000 1	(,1,100,00)	1101/1001/10	C 5131	(A,75,82)	CKSRYB393K16	
R 5696	(A,130,98)	RS1/16S473J	C 5132	(A,71,85)	CKSRYB393K16	
R 5699	(A,113,88)	RS1/16S104J	C 5133	(A,93,81)	CKSRYB103K50	
R 5701	(A,140,66)	RS1/16S0R0J	0 0100	(71,00,01)	ONOTTIBIOONOO	
R 5702	(A,137,66)	RS1/16S0R0J	C 5134	(A,80,81)	CKSRYB104K50	В
R 5703	(A,137,60)	RS1/16S103J	C 5135	(A,88,81) 10 μF	CCG1223	_
11 3700	(A, 107,00)	1101/1001000	C 5136	(A,66,78)	CKSRYB393K16	
R 5704	(A,141,60)	RS1/16S103J	C 5137	(A,91,81) 10 μF	CCG1223	
R 5704	(A,141,00) (A,137,59)	RS1/16S103J	C 5137	(A,76,56)	CKSRYB224K16	
R 5706	(A,141,59)	RS1/16S103J	0 3130	(A,70,30)	CROTTI DZZ4RTO	
R 5700	(A,134,59)	RS1/16S105J	C 5139	(A,81,78)	CKSRYB105K10	
R 5707	,	RS1/16S105J	C 5139	,	CKSRYB102K50	
n 3706	(A,131,59)	NO 1/100 1000		(A,81,77)		
D 5700	(4.100.50)	DC4/4004001	C 5141	(A,91,73) 10 μF	CCG1223	
R 5709	(A,129,59)	RS1/16S102J	C 5143	(A,88,73)	CKSRYB103K50	
R 5710	(A,127,59)	RS1/16S102J	C 5144	(A,66,74)	CKSRYB102K50	
R 5711	(A,122,105)	RS1/16S104J	0.5445	(4.00.75)	01/05/5104/55	
R 5801	(A,8,92)	RS1/16SS104J	C 5145	(A,80,75)	CKSRYB104K50	С
R 5802	(A,9,92)	RS1/16SS104J	C 5146	(A,65,71)	CKSRYB105K10	C
	(4.45.55)	50.44.500.4.4.4	C 5147	(A,82,71)	CKSRYB105K10	
R 5803	(A,10,92)	RS1/16SS104J	C 5148	(A,80,71)	CKSRYB103K50	
R 5811	(A,11,109)	RS1/16SS473J	C 5149	(A,71,68)	CKSRYB104K50	
R 5812	(A,10,109)	RS1/16SS473J				
R 5813	(A,7,92)	RS1/16SS473J	C 5150	(A,76,60)	CKSYB475K16	
R 5814	(A,9,109)	RS1/16SS472J	C 5151	(A,81,67)	CKSRYB472K50	
			C 5152	(A,79,67)	CKSRYB472K50	
R 5849	(A,111,38)	RS1/16S0R0J	C 5153	(A,96,69)	CKSRYB104K50	
R 5971	(A,53,6)	RS1/16S151J	C 5154	(A,76,59)	CKSRYB103K50	
R 5972	(A,50,6)	RS1/16S391J				
R 5981	(A,53,8)	RS1/16S271J	C 5155	(A,72,66)	CKSRYB104K50	
R 5982	(A,50,8)	RS1/16S271J	C 5156	(A,71,66)	CKSRYB104K50	
			C 5157	(A,69,66)	CKSRYB104K50	D
CAPACIT	ORS		C 5158	(A,94,68) 33 μF/10 V	CCH1586	
			C 5159	(A,94,60)	CKSQYF105Z25	
C 5001	(A,121,32)	CKSRYB102K50				
C 5002	(A,116,39)	CKSRYB102K50	C 5160	(A,81,61)	CKSRYB104K50	
C 5003	(A,120,39)	CKSRYB102K50	C 5161	(A,83,61)	CKSQYF105Z25	
C 5004	(A,121,35)	CKSRYB102K50	C 5163	(A,70,60)	CKSQYF105Z25	
C 5101	(A,55,111)	CKSYB105K16	C 5164	(A,68,60)	CKSQYF105Z25	
0 0.0.	(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	0.10.2.00.1.0	C 5165	(A,66,60)	CKSQYF225Z16	
C 5102	(A,20,112)	CSZSR330M10		•		
C 5102	(A,57,111)	CKSYB105K16	C 5166	(A,64,60)	CKSQYF225Z16	
C 5104	(A,76,96)	CKSSYB104K10	C 5167	(A,84,68)	CKSRYB105K10	
C 5105	(A,60,87)	CSZS100M16	C 5168	(A,68,66)	CKSRYB105K10	
C 5105	(A,57,92)	CSZSR220M10	C 5169	(A,83,58)	CKSQYF105Z25	E
0 3100	(A,57,92)	00201122011110	C 5170	(A,62,60)	CKSQYF105Z25	
C 5107	(A,79,98)	CSZSR330M10	0 00	(, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	0.10 0.1. 100==0	
			C 5201	(A,77,26) 10 μF	CCG1223	
C 5108	(A,57,97)	CSZSR220M10	C 5202	(A,74,26) 10 μF	CCG1223	
C 5109	(A,65,91)	CSZS100M10	C 5204	(A,66,31)	CKSRYB104K50	
C 5110	(A,63,89)	CKSSYB104K10	C 5205	(A,62,34)	CKSRYB105K10	I
C 5111	(A,65,103)	CSZS100M10	C 5205	(A,62,34) (A,43,32)	CKSRYB104K50	-
0.5440	/A OF 405\	OKOOND4041445	0 0200	(17,70,02)	0001110104000	
C 5112	(A,65,105)	CKSSYB104K10	C 5007	(A 52 17)	CKSRYB104K50	
C 5113	(A,70,93)	CKSSYB104K10	C 5207	(A,52,17)		
C 5114	(A,71,95)	CKSRYB105K10	C 5208	(A,51,21)	CKSRYB104K50	
C 5115	(A,70,97)	CKSSYB104K10	C 5209	(A,52,15)	CKSRYB105K10	
C 5116	(A,71,100)	CKSQYF105Z25	C 5211	(A,51,18)	CKSRYB474K10	F
_			C 5212	(A,52,22)	CKSRYB332K50	
C 5117	(A,94,89)	CSZS100M16	<b>^</b>	(4.50.40)	OKODYD45=1115	
C 5118	(A,95,88)	CKSRYB105K10	C 5213	(A,52,19)	CKSRYB105K10	
			C 5214	(A,52,25)	CKSRYB152K50	
			AVIC-N4/XU/UC			202
	5	6		7	8	283

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	Circ	cuit Symbol and No.	Part No.	Circ	cuit Symbol and No.	Part No.
	C 5215	(A,45,25)	CKSRYB104K50	C 5435	(A,52,103)	CKSSYB104K10
	C 5216	(A,54,17)	CKSRYB103K50	C 5436	(A,23,106)	CKSSYB104K10
	C 5217	(A,40,21)	CKSRYB473K50	C 5437	(A,19,102)	CKSSYB104K10
Α		<i>( , , , , , , , , , , , , , , , , , , ,</i>			,	
	C 5218	(A,40,16)	CKSRYB473K50	C 5438	(A,52,100)	CKSSYB104K10
	C 5219	(A,40,17)	CKSRYB221K50	C 5439	(A,21,101)	CKSSYB104K10
	C 5220	(A,66,11) 10 μF	CCG1236	C 5440	(A,52,98)	CKSSYB104K10
	C 5221	(A,58,10) 10 μF	CCG1236	C 5441	(A,21,96)	CKSSYB104K10
	C 5222	(A,72,9)	CKSRYB105K10	C 5442	(A,52,94)	CKSSYB104K10
	0 5000	(4.74.0)	014007404051440	0.5440	(4.40.04)	01/00//040/1/40
	C 5223	(A,74,9)	CKSRYB105K10	C 5443	(A,18,94)	CKSSYB104K10
	C 5224 C 5225	(A,84,18) (B,112,10) 22 pF	CKSRYB104K50 CCG1214	C 5444 C 5445	(A,21,93) (A,52,92)	CKSSYB104K10 CKSSYB104K10
	C 5226	(A,104,7)	CKSRYB223K50	C 5445	(A,32,92) (A,21,90)	CKSSYB104K10
	C 5271	(B,41,11)	CKSRYB104K50	C 5448	(A,21,89)	CKSSYB104K10
		( , , ,			( ) ,==,	
В	C 5272	(B,54,9)	CKSRYB104K50	C 5449	(A,52,88)	CKSSYB104K10
	C 5273	(B,67,9)	CKSRYB104K50	C 5450	(A,52,86)	CKSSYB104K10
	C 5301	(A,74,112)	CKSQYB106K6R3	C 5451	(A,21,87)	CKSSYB104K10
	C 5302	(A,69,110)	CCSRCH470J50	C 5453	(A,21,86)	CKSSYB104K10
	C 5303	(A,67,109)	CCSRCH680J50	C 5454	(A,22,84)	CKSSYB104K10
	0.5004	(4.05.444)	0000011500050	0.5455	(4.00.00)	OKOOND404K40
	C 5304 C 5305	(A,65,114) (A,65,109)	CCSRCH5R0C50 CCSRCH470J50	C 5455 C 5456	(A,22,82) (A,52,82)	CKSSYB104K10 CKSSYB104K10
	C 5305	(A,65,109) (A,61,109)	CKSRYB104K50	C 5456 C 5457	(A,52,82) (A,21,80)	CKSRYB105K10
	C 5300	(A,62,106)	CSZSR330M10	C 5457	(A,21,80) (A,50,77)	CKSSYB104K10
	C 5331	(A,85,106)	CKSQYB106K6R3	C 5459	(A,43,76)	CKSSYB104K10
	0 000.	(. 1,00,100)	0110412100110110	0 0.00	(,,)	0.100.12.0.11.10
	C 5351	(A,101,69)	CCSRCH331J50	C 5460	(A,42,77)	CKSSYB104K10
С	C 5352	(A,103,69)	CCSRCH331J50	C 5461	(A,40,77)	CKSSYB104K10
	C 5353	(A,105,66)	CCSRCH331J50	C 5462	(A,36,77)	CKSSYB104K10
	C 5354	(A,34,117)	CKSSYB104K16	C 5463	(A,31,77)	CKSSYB104K10
	C 5355	(A,33,117)	CKSSYB104K16	C 5464	(A,30,77)	CKSSYB104K10
	0.5050	(4.00.447)	01400)4D4041440	0.5405	(4.40.77)	01/00//040/1/40
_	C 5356	(A,32,117)	CKSSYB104K16	C 5465	(A,48,77)	CKSSYB104K10
	C 5372 C 5373	(A,94,104) (A,94,108)	CKSSYF104Z16 CCSRCH151J50	C 5466 C 5505	(A,52,75) (A,13,78)	CSZSR330M10 CKSSYB104K10
	C 5373	(A,94,100) (A,94,102) 10 μF	CCG1171	C 5505	(A, 13,76) (A, 13,87)	CKSSYB104K10
	C 5401	(A,46,110)	CCSSCH9R0D50	C 5508	(A,13,76)	CKSRYB105K10
		( , , , , , , , , , , , , , , , , , , ,			(-1, -2, -2)	
	C 5402	(A,44,110)	CCSSCH9R0D50	C 5509	(A,58,82)	CKSSYB104K10
	C 5403	(A,41,110)	CKSSYB104K10	C 5510	(A,14,71)	CKSRYB105K10
D	C 5404	(A,32,110)	CKSSYB104K10	C 5511	(A,8,70)	CKSSYB104K10
	C 5405	(A,30,110)	CKSSYB104K10	C 5512	(A,13,61)	CKSRYB104K50
	C 5406	(A,29,110)	CKSSYB104K10	C 5513	(A,10,72)	CSZSR220M16
	C 5407	(A,38,110)	CCCCHAROCEO	C 5514	(A 10 70) 4 7 HE	CCG1111
	C 5407	(A,49,108)	CCSSCH4R0C50 CKSSYB104K10	C 5514	(A,10,79) 4.7 μF (A,8,68)	CKSRYB105K10
	C 5411	(A,46,108)	CKSSYB104K10	C 5516	(A,61,74)	CKSSYB104K10
-	C 5412	(A,42,108)	CKSSYB104K10	C 5517	(A,62,77)	CSZS100M16
	C 5413	(A,40,111)	CKSSYB103K16	C 5518	(A,12,60)	CKSRYB104K50
	C 5414	(A,41,108)	CCSSCH181J25	C 5519	(A,27,72)	CKSSYB104K10
	C 5415	(A,40,108)	CKSSYB104K10	C 5520	(A,25,72)	CKSSYB104K10
E	C 5416	(A,38,108)	CKSSYB104K10	C 5521	(A,19,73)	CKSRYB104K50
-	C 5417	(A,27,114)	CKSSYB104K10	C 5522	(A,14,68)	CKSRYB104K50
	C 5418	(A,26,114)	CKSSYB104K10	C 5523	(A,29,68)	CSZSR220M16
	C 5419	(A,37,109)	CKSSYB104K10	C 5524	(A,24,69)	CSZS100M16
	C 5419	(A,36,108)	CKSSYB104K10	C 5525	(A,24,69) (A,21,67)	CKSQYF334Z25
	C 5421	(A,23,113)	CKSSYB104K10	C 5526	(A,16,69) 4.7 μF	CCG1111
	C 5422	(A,24,113)	CKSSYB104K10	C 5527	(A,30,65)	CKSSYB104K10
	C 5423	(A,34,108)	CKSSYB104K10	C 5528	(A,26,66)	CKSSYB104K10
	C 5424	(A,27,112)	CKSSYB104K10	C 5529	(A,22,65)	CKSRYB104K50
	C 5428	(A,32,108)	CKSSYB104K10	C 5530	(A,19,67)	CKSRYB104K50
	C 5429	(A,28,110)	CKSSYB104K10	C 5601	(A,138,96)	CKSRYB103K50
F	C 5430	(A,27,110)	CKSSYB104K10	C 5602	(A,142,96)	CKSSYF104Z16
	C 5431	(A,28,108)	CKSSYB104K10	C 5603	(A,107,81)	CKSSYB103K25
	C 5433	(A,24,108)	CKSSYB104K10	C 5604	(A,128,94)	CKSSYF104Z16
	C 5434	(A,52,105)	CKSSYB104K10	C 5605	(A,123,57)	CSZSR330M10
		• • • • • •		4/XU/UC	• • • •	
_ :	284	_	AVIC-N	1//0/00		

	uit Symbol and No.	Part No.	Circ	uit Symbol and No.	Part No.	
·	<u>-</u>	CKSSYF104Z16	·		· <del></del>	
C 5606	(A,144,83)		IC 1871	(A,146,90) IC	S-812C33AMC-C2N	
C 5607	(A,123,59)	CKSSYF104Z16	IC 1872	(B,138,89) IC	S-L2980A50MC-C7J	
C 5609	(A,13,91)	CKSSYB103K25	IC 1901	(A,166,85) IC	NJM2391DL1-33	
0.5044	(4.100.74)	01(00)(01051(10	IC 1971	(B,104,48) IC	NJM2794RB2	Α
C 5611	(A,128,71)	CKSRYB105K10		(* (* (* )		
C 5612	(A,128,67)	CKSSYF104Z16	IC 1972	(A,101,116) IC	TC74VHC08FTS1	
C 5631	(A,116,71)	CKSSYF104Z16	IC 1981	(B,62,93) IC	S-812C33BUC-C4N	
C 5632	(A,116,73)	CKSSYF104Z16	Q 1101	(B,130,124) Chip Transistor		
C 5633	(A,118,94)	CKSRYB104K50	Q 1102	(B,131,127) Transistor	2SA1576A	
			Q 1401	(A,38,33) Transistor(EW5)	2SC3357	Ī
C 5701	(A,140,58)	CKSSYB102K50				-
C 5702	(A,135,58)	CKSSYB102K50	Q 1402	(B,54,39) Transistor(EW5)	2SC3127	
C 5703	(A,132,58)	CKSSYB102K50	Q 1403	(B,100,92) Chip Transistor(	EW5) DTC124EUA	
C 5704	(A,129,57)	CKSSYB102K50	Q 1404	(B,100,98) Chip Transistor(	EW5) DTC124EUA	
C 5705	(A,127,57)	CKSSYB102K50	Q 1405	(B,86,109) Chip Transistor(		
	, , ,		Q 1406	(B,100,95) Chip Transistor(		
C 5971	(A,46,8)	CKSRYB104K50		(=,,,,	,	В
C 5972	(A,57,8)	CKSRYB104K50	Q 1551	(B,75,81) Transistor	2SC2412K	
0 0072	(71,07,0)	OKOTTI BIOTKOO	Q 1552	(B,70,81) Transistor	2SC2412K	
				,		
	KL		Q 1553	(B,72,86) Transistor	FMG12	
			Q 1554	(B,60,52) Transistor	2SA1576A	
			Q 1555	(B,77,70) Transistor	2SA1576A	
<u>Mother Tu</u>	<u>uner Unit(Mother Unit)</u>	1	_			
Consists	of		Q 1556	(B,63,81) Transistor	2SA1037K	
Ipod PCB			Q 1557	(B,61,46) Transistor	2SC2412K	
	<u>-</u> '		Q 1558	(B,71,70) Transistor	2SC2412K	
<u>Mezzanin</u>			Q 1559	(B,59,84) Transistor	2SC4081	
Mother Po	<u>CB</u>		Q 1560	(A,65,86) Transistor	2SC4081	
Connecto	r PCB			, , ,		
	<del></del>		Q 1602	(B,80,112) Chip Transistor	DTC124EUA	С
			Q 1603	(B,82,105) Chip Transistor		
Unit Nu	mber: CWN2310(	UC)	Q 1751	(B,120,102) Transistor	2SA1797	
<b>Unit Nar</b>			Q 1751 Q 1752	(B,129,101) Transistor	2SA1162	
		• •				
Unit Nu	mber: CWN2311(I	EW5)	Q 1753	(A,126,116) Transistor	2SA1797	
<b>Unit Nar</b>	•	,	0.4754	(A 400 400) Taxasista	0004004	
Offic Ivai	ile . Motilei oil	it(LVV3)	Q 1754	(A,130,100) Transistor	2SC4081	
			Q 1755	(A,137,115) Chip Transistor		
MISCELL	<u>ANEOUS</u>		Q 1801	(B,149,64) Transistor(EW5)		
			Q 1802	(B,130,63) Transistor(EW5)	DTC144EK	
IC 1001	(B,98,41) IC	NJM2137V	Q 1803	(B,134,63) Transistor(EW5)	DTC144EK	
IC 1101	(B,72,109) IC	HA12240FP				
IC 1102	(B,139,108) IC	NJM2794RB2	Q 1821	(B,159,118) Chip Transistor	DTC114EUA	
IC 1301	(B,105,33) IC	NJM2794RB2	Q 1822	(A 120 121) Transistor	DTC114WK	
	(D, 100,00) IC			(A. 130. 1311 Hallsisiul		D
				(A,138,131) Transistor (B 166 105) Chip Transistor		D
IC 1303	(B,99,33) IC	NJM2137V	Q 1871	(B,166,105) Chip Transistor	DTC114EUA	D
	(B,99,33) IC		Q 1871 Q 1872	(B,166,105) Chip Transistor (B,171,102) Transistor	DTC114EUA 2SA1037K	D
IC 1305	(B,99,33) IC (B,90,32) IC	NJM2505F	Q 1871	(B,166,105) Chip Transistor	DTC114EUA 2SA1037K	D
IC 1305 IC 1351	(B,99,33) IC (B,90,32) IC (B,84,33) IC	NJM2505F NJM2794RB2	Q 1871 Q 1872 Q 1881	(B,166,105) Chip Transistor (B,171,102) Transistor (B,171,125) Chip Transistor	DTC114EUA 2SA1037K DTC114EUA	D
IC 1305 IC 1351 IC 1352	(B,99,33) IC (B,90,32) IC (B,84,33) IC (B,78,35) IC	NJM2505F	Q 1871 Q 1872 Q 1881 Q 1901	(B,166,105) Chip Transistor (B,171,102) Transistor (B,171,125) Chip Transistor (A,82,80) Transistor	DTC114EUA 2SA1037K DTC114EUA 2SA1036K	
IC 1305 IC 1351	(B,99,33) IC (B,90,32) IC (B,84,33) IC	NJM2505F NJM2794RB2	Q 1871 Q 1872 Q 1881 Q 1901 Q 1903	(B,166,105) Chip Transistor (B,171,102) Transistor (B,171,125) Chip Transistor (A,82,80) Transistor (B,86,78) Transistor	DTC114EUA 2SA1037K DTC114EUA 2SA1036K DTC114EK	D
IC 1305 IC 1351 IC 1352	(B,99,33) IC (B,90,32) IC (B,84,33) IC (B,78,35) IC	NJM2505F NJM2794RB2 NJM2137V	Q 1871 Q 1872 Q 1881 Q 1901 Q 1903 Q 1905	(B,166,105) Chip Transistor (B,171,102) Transistor (B,171,125) Chip Transistor (A,82,80) Transistor (B,86,78) Transistor (B,162,39) Transistor	DTC114EUA 2SA1037K DTC114EUA 2SA1036K DTC114EK 2SB1260	
IC 1305 IC 1351 IC 1352 IC 1401	(B,99,33) IC (B,90,32) IC (B,84,33) IC (B,78,35) IC (A,54,82) IC	NJM2505F NJM2794RB2 NJM2137V NJM2391DL1-33	Q 1871 Q 1872 Q 1881 Q 1901 Q 1903 Q 1905 Q 1906	(B,166,105) Chip Transistor (B,171,102) Transistor (B,171,125) Chip Transistor (A,82,80) Transistor (B,86,78) Transistor (B,162,39) Transistor (B,160,29) Transistor	DTC114EUA 2SA1037K DTC114EUA 2SA1036K DTC114EK 2SB1260 DTC114EK	
IC 1305 IC 1351 IC 1352 IC 1401 IC 1402	(B,99,33) IC (B,90,32) IC (B,84,33) IC (B,78,35) IC (A,54,82) IC (B,57,103) IC	NJM2505F NJM2794RB2 NJM2137V NJM2391DL1-33 NJM4558E	Q 1871 Q 1872 Q 1881 Q 1901 Q 1903 Q 1905	(B,166,105) Chip Transistor (B,171,102) Transistor (B,171,125) Chip Transistor (A,82,80) Transistor (B,86,78) Transistor (B,162,39) Transistor	DTC114EUA 2SA1037K DTC114EUA 2SA1036K DTC114EK 2SB1260	
IC 1305 IC 1351 IC 1352 IC 1401 IC 1402 IC 1501	(B,99,33) IC (B,90,32) IC (B,84,33) IC (B,78,35) IC (A,54,82) IC (B,57,103) IC (A,79,51) IC	NJM2505F NJM2794RB2 NJM2137V NJM2391DL1-33 NJM4558E CXA2069Q	Q 1871 Q 1872 Q 1881 Q 1901 Q 1903 Q 1905 Q 1906	(B,166,105) Chip Transistor (B,171,102) Transistor (B,171,125) Chip Transistor (A,82,80) Transistor (B,86,78) Transistor (B,162,39) Transistor (B,160,29) Transistor	DTC114EUA 2SA1037K DTC114EUA 2SA1036K DTC114EK 2SB1260 DTC114EK	
IC 1305 IC 1351 IC 1352 IC 1401 IC 1402 IC 1501 IC 1551	(B,99,33) IC (B,90,32) IC (B,84,33) IC (B,78,35) IC (A,54,82) IC (B,57,103) IC (A,79,51) IC (B,62,38) IC	NJM2505F NJM2794RB2 NJM2137V NJM2391DL1-33 NJM4558E CXA2069Q NJM2561F1	Q 1871 Q 1872 Q 1881 Q 1901 Q 1903 Q 1905 Q 1906	(B,166,105) Chip Transistor (B,171,102) Transistor (B,171,125) Chip Transistor (A,82,80) Transistor (B,86,78) Transistor (B,162,39) Transistor (B,160,29) Transistor (A,173,61) Transistor	DTC114EUA 2SA1037K DTC114EUA 2SA1036K DTC114EK 2SB1260 DTC114EK	
IC 1305 IC 1351 IC 1352 IC 1401 IC 1402 IC 1501 IC 1551 IC 1552	(B,99,33) IC (B,90,32) IC (B,84,33) IC (B,78,35) IC (A,54,82) IC (B,57,103) IC (A,79,51) IC (B,62,38) IC (B,64,71) IC	NJM2505F NJM2794RB2 NJM2137V NJM2391DL1-33 NJM4558E CXA2069Q NJM2561F1 NJM2561F1	Q 1871 Q 1872 Q 1881 Q 1901 Q 1903 Q 1905 Q 1906 Q 1907	(B,166,105) Chip Transistor (B,171,102) Transistor (B,171,125) Chip Transistor (A,82,80) Transistor (B,86,78) Transistor (B,162,39) Transistor (B,160,29) Transistor	DTC114EUA 2SA1037K DTC114EUA 2SA1036K DTC114EK 2SB1260 DTC114EK 2SB1185 2SD2375	•
IC 1305 IC 1351 IC 1352 IC 1401 IC 1402 IC 1501 IC 1551 IC 1552 IC 1601	(B,99,33) IC (B,90,32) IC (B,84,33) IC (B,78,35) IC (A,54,82) IC (B,57,103) IC (A,79,51) IC (B,62,38) IC (B,64,71) IC (B,94,84) IC	NJM2505F NJM2794RB2 NJM2137V NJM2391DL1-33 NJM4558E CXA2069Q NJM2561F1 NJM2561F1 TC7SH04FUS1	Q 1871 Q 1872 Q 1881 Q 1901 Q 1903 Q 1905 Q 1906 Q 1907 Q 1908 Q 1909	(B,166,105) Chip Transistor (B,171,102) Transistor (B,171,125) Chip Transistor (A,82,80) Transistor (B,86,78) Transistor (B,162,39) Transistor (B,160,29) Transistor (A,173,61) Transistor (A,172,42) Transistor (A,172,72) Transistor	DTC114EUA 2SA1037K DTC114EUA 2SA1036K DTC114EK 2SB1260 DTC114EK 2SB1185 2SD2375 2SD2375	
IC 1305 IC 1351 IC 1352 IC 1401 IC 1402 IC 1501 IC 1551 IC 1552	(B,99,33) IC (B,90,32) IC (B,84,33) IC (B,78,35) IC (A,54,82) IC (B,57,103) IC (A,79,51) IC (B,62,38) IC (B,64,71) IC	NJM2505F NJM2794RB2 NJM2137V NJM2391DL1-33 NJM4558E CXA2069Q NJM2561F1 NJM2561F1	Q 1871 Q 1872 Q 1881 Q 1901 Q 1903 Q 1905 Q 1906 Q 1907 Q 1908 Q 1909 Q 1910	(B,166,105) Chip Transistor (B,171,102) Transistor (B,171,125) Chip Transistor (A,82,80) Transistor (B,86,78) Transistor (B,162,39) Transistor (B,160,29) Transistor (A,173,61) Transistor (A,172,42) Transistor (A,172,72) Transistor (B,168,58) Transistor	DTC114EUA 2SA1037K DTC114EUA 2SA1036K DTC114EK 2SB1260 DTC114EK 2SB1185 2SD2375 2SD2375 UMX1N	•
IC 1305 IC 1351 IC 1352 IC 1401 IC 1402 IC 1501 IC 1551 IC 1552 IC 1601 IC 1602	(B,99,33) IC (B,90,32) IC (B,84,33) IC (B,78,35) IC (A,54,82) IC (B,57,103) IC (A,79,51) IC (B,62,38) IC (B,64,71) IC (B,94,84) IC (A,93,115) IC	NJM2505F NJM2794RB2 NJM2137V NJM2391DL1-33 NJM4558E CXA2069Q NJM2561F1 NJM2561F1 TC7SH04FUS1 TC7SH08FUS1	Q 1871 Q 1872 Q 1881 Q 1901 Q 1903 Q 1905 Q 1906 Q 1907 Q 1908 Q 1909 Q 1910 Q 1951	(B,166,105) Chip Transistor (B,171,102) Transistor (B,171,125) Chip Transistor (A,82,80) Transistor (B,86,78) Transistor (B,162,39) Transistor (B,160,29) Transistor (A,173,61) Transistor (A,172,42) Transistor (A,172,72) Transistor (B,168,58) Transistor (B,115,85) Transistor	2SA1037K DTC114EUA 2SA1036K DTC114EK 2SB1260 DTC114EK 2SB1185 2SD2375 2SD2375 UMX1N 2SD2098	•
IC 1305 IC 1351 IC 1352 IC 1401 IC 1402 IC 1501 IC 1551 IC 1552 IC 1601	(B,99,33) IC  (B,90,32) IC  (B,84,33) IC  (B,78,35) IC  (A,54,82) IC  (B,57,103) IC  (A,79,51) IC  (B,62,38) IC  (B,64,71) IC  (B,94,84) IC  (A,93,115) IC  (A,90,99) IC(UC)	NJM2505F NJM2794RB2 NJM2137V NJM2391DL1-33 NJM4558E CXA2069Q NJM2561F1 NJM2561F1 TC7SH04FUS1 TC7SH08FUS1 PEG355A	Q 1871 Q 1872 Q 1881 Q 1901 Q 1903 Q 1905 Q 1906 Q 1907 Q 1908 Q 1909 Q 1910	(B,166,105) Chip Transistor (B,171,102) Transistor (B,171,125) Chip Transistor (A,82,80) Transistor (B,86,78) Transistor (B,162,39) Transistor (B,160,29) Transistor (A,173,61) Transistor (A,172,42) Transistor (A,172,72) Transistor (B,168,58) Transistor	DTC114EUA 2SA1037K DTC114EUA 2SA1036K DTC114EK 2SB1260 DTC114EK 2SB1185 2SD2375 2SD2375 UMX1N	•
IC 1305 IC 1351 IC 1352 IC 1401 IC 1402 IC 1501 IC 1551 IC 1552 IC 1601 IC 1602 IC 1606	(B,99,33) IC  (B,90,32) IC  (B,84,33) IC  (B,78,35) IC  (A,54,82) IC  (B,57,103) IC  (A,79,51) IC  (B,62,38) IC  (B,64,71) IC  (B,94,84) IC  (A,93,115) IC  (A,90,99) IC(UC)  (A,90,99) IC(EW5)	NJM2505F NJM2794RB2 NJM2137V NJM2391DL1-33 NJM4558E CXA2069Q NJM2561F1 NJM2561F1 TC7SH04FUS1 TC7SH08FUS1 PEG355A PEG355A	Q 1871 Q 1872 Q 1881 Q 1901 Q 1903 Q 1905 Q 1906 Q 1907 Q 1908 Q 1909 Q 1910 Q 1951 Q 1952	(B,166,105) Chip Transistor (B,171,102) Transistor (B,171,125) Chip Transistor (A,82,80) Transistor (B,86,78) Transistor (B,162,39) Transistor (B,160,29) Transistor (A,173,61) Transistor (A,172,42) Transistor (A,172,72) Transistor (B,168,58) Transistor (B,115,85) Transistor (B,152,42) Transistor	2SA1037K DTC114EUA 2SA1036K DTC114EK 2SB1260 DTC114EK 2SB1185 2SD2375 2SD2375 UMX1N 2SD2098 2SD2098	•
IC 1305 IC 1351 IC 1352 IC 1401 IC 1402 IC 1501 IC 1551 IC 1552 IC 1601 IC 1606 IC 1608	(B,99,33) IC  (B,90,32) IC  (B,84,33) IC  (B,78,35) IC  (A,54,82) IC  (B,57,103) IC  (A,79,51) IC  (B,62,38) IC  (B,64,71) IC  (B,94,84) IC  (A,93,115) IC  (A,90,99) IC(UC)  (A,90,99) IC(EW5)  (A,71,97) IC	NJM2505F NJM2794RB2 NJM2137V NJM2391DL1-33 NJM4558E CXA2069Q NJM2561F1 NJM2561F1 TC7SH04FUS1 TC7SH08FUS1 PEG355A PEG355A PEG354A TC7SH04FUS1	Q 1871 Q 1872 Q 1881 Q 1901 Q 1903 Q 1905 Q 1906 Q 1907 Q 1908 Q 1909 Q 1910 Q 1951 Q 1952 Q 1953	(B,166,105) Chip Transistor (B,171,102) Transistor (B,171,125) Chip Transistor (A,82,80) Transistor (B,86,78) Transistor (B,162,39) Transistor (B,160,29) Transistor (A,173,61) Transistor (A,172,42) Transistor (A,172,72) Transistor (B,168,58) Transistor (B,115,85) Transistor (B,152,42) Transistor (B,152,42) Transistor	DTC114EUA 2SA1037K DTC114EUA 2SA1036K DTC114EK 2SB1260 DTC114EK 2SB1185 2SD2375 2SD2375 UMX1N 2SD2098 2SD2098 DTC114EUA	•
IC 1305 IC 1351 IC 1352 IC 1401 IC 1402 IC 1501 IC 1551 IC 1552 IC 1601 IC 1602 IC 1606 IC 1608 IC 1609	(B,99,33) IC  (B,90,32) IC  (B,84,33) IC  (B,78,35) IC  (A,54,82) IC  (B,57,103) IC  (A,79,51) IC  (B,62,38) IC  (B,64,71) IC  (B,94,84) IC  (A,93,115) IC  (A,90,99) IC(UC)  (A,90,99) IC(EW5)  (A,71,97) IC  (B,79,108) IC	NJM2505F NJM2794RB2 NJM2137V NJM2391DL1-33 NJM4558E CXA2069Q NJM2561F1 TC7SH04FUS1 TC7SH08FUS1 PEG355A PEG355A PEG354A TC7SH04FUS1 TC7SH04FUS1	Q 1871 Q 1872 Q 1881 Q 1901 Q 1903 Q 1905 Q 1906 Q 1907 Q 1908 Q 1909 Q 1910 Q 1951 Q 1952 Q 1953 Q 2821	(B,166,105) Chip Transistor (B,171,102) Transistor (B,171,125) Chip Transistor (A,82,80) Transistor (B,86,78) Transistor (B,162,39) Transistor (B,160,29) Transistor (A,173,61) Transistor (A,172,42) Transistor (A,172,72) Transistor (B,168,58) Transistor (B,115,85) Transistor (B,152,42) Transistor (A,71,102) Chip Transistor (B,45,24) Transistor	DTC114EUA 2SA1037K DTC114EUA 2SA1036K DTC114EK 2SB1260 DTC114EK 2SB1185 2SD2375 2SD2375 2SD2375 UMX1N 2SD2098 2SD2098 DTC114EUA UMD2N	E
IC 1305 IC 1351 IC 1352 IC 1401 IC 1402 IC 1501 IC 1551 IC 1552 IC 1601 IC 1606 IC 1608	(B,99,33) IC  (B,90,32) IC  (B,84,33) IC  (B,78,35) IC  (A,54,82) IC  (B,57,103) IC  (A,79,51) IC  (B,62,38) IC  (B,64,71) IC  (B,94,84) IC  (A,93,115) IC  (A,90,99) IC(UC)  (A,90,99) IC(EW5)  (A,71,97) IC	NJM2505F NJM2794RB2 NJM2137V NJM2391DL1-33 NJM4558E CXA2069Q NJM2561F1 TC7SH04FUS1 TC7SH08FUS1 PEG355A PEG355A PEG354A TC7SH04FUS1 TC7SH04FUS1	Q 1871 Q 1872 Q 1881 Q 1901 Q 1903 Q 1905 Q 1906 Q 1907 Q 1908 Q 1909 Q 1910 Q 1951 Q 1952 Q 1953 Q 2821 Q 2831	(B,166,105) Chip Transistor (B,171,102) Transistor (B,171,125) Chip Transistor (A,82,80) Transistor (B,86,78) Transistor (B,162,39) Transistor (B,160,29) Transistor (A,173,61) Transistor (A,172,42) Transistor (A,172,72) Transistor (B,168,58) Transistor (B,115,85) Transistor (B,152,42) Transistor (A,71,102) Chip Transistor (B,45,24) Transistor (B,45,24) Transistor	DTC114EUA 2SA1037K DTC114EUA 2SA1036K DTC114EK 2SB1260 DTC114EK 2SB1185 2SD2375 2SD2375 UMX1N 2SD2098 2SD2098 DTC114EUA UMD2N FMG12	•
IC 1305 IC 1351 IC 1352 IC 1401 IC 1402 IC 1501 IC 1551 IC 1552 IC 1601 IC 1602 IC 1606 IC 1608 IC 1609	(B,99,33) IC  (B,90,32) IC  (B,84,33) IC  (B,78,35) IC  (A,54,82) IC  (B,57,103) IC  (A,79,51) IC  (B,62,38) IC  (B,64,71) IC  (B,94,84) IC  (A,93,115) IC  (A,90,99) IC(UC)  (A,90,99) IC(EW5)  (A,71,97) IC  (B,79,108) IC	NJM2505F NJM2794RB2 NJM2137V NJM2391DL1-33 NJM4558E CXA2069Q NJM2561F1 TC7SH04FUS1 TC7SH08FUS1 PEG355A PEG355A PEG354A TC7SH04FUS1 TC7SH04FUS1	Q 1871 Q 1872 Q 1881 Q 1901 Q 1903 Q 1905 Q 1906 Q 1907 Q 1908 Q 1909 Q 1910 Q 1951 Q 1952 Q 1953 Q 2821 Q 2831 Q 2832	(B,166,105) Chip Transistor (B,171,102) Transistor (B,171,125) Chip Transistor (A,82,80) Transistor (B,86,78) Transistor (B,162,39) Transistor (B,160,29) Transistor (A,173,61) Transistor (A,172,42) Transistor (A,172,72) Transistor (B,168,58) Transistor (B,115,85) Transistor (B,152,42) Transistor (A,71,102) Chip Transistor (B,45,24) Transistor (B,45,12) Transistor (B,45,12) Transistor	DTC114EUA 2SA1037K DTC114EUA 2SA1036K DTC114EK 2SB1260 DTC114EK 2SB1185 2SD2375 2SD2375 2SD2375 UMX1N 2SD2098 2SD2098 DTC114EUA UMD2N FMG12 FMG12	E
IC 1305 IC 1351 IC 1352 IC 1401 IC 1402 IC 1501 IC 1551 IC 1552 IC 1601 IC 1602 IC 1606 IC 1608 IC 1609 IC 1610	(B,99,33) IC  (B,90,32) IC  (B,84,33) IC  (B,78,35) IC  (A,54,82) IC  (B,57,103) IC  (A,79,51) IC  (B,62,38) IC  (B,64,71) IC  (B,94,84) IC  (A,93,115) IC  (A,90,99) IC(UC)  (A,90,99) IC(EW5)  (A,71,97) IC  (B,79,108) IC  (B,81,101) L-MOS And Ga	NJM2505F NJM2794RB2 NJM2137V NJM2391DL1-33 NJM4558E  CXA2069Q NJM2561F1 TC7SH04FUS1 TC7SH08FUS1  PEG355A PEG355A PEG354A TC7SH04FUS1 TC7SH04FUS1 TC7SH04FUS1 TC7SH04FUS1	Q 1871 Q 1872 Q 1881 Q 1901 Q 1903 Q 1905 Q 1906 Q 1907 Q 1908 Q 1909 Q 1910 Q 1951 Q 1952 Q 1953 Q 2821 Q 2831	(B,166,105) Chip Transistor (B,171,102) Transistor (B,171,125) Chip Transistor (A,82,80) Transistor (B,86,78) Transistor (B,162,39) Transistor (B,160,29) Transistor (A,173,61) Transistor (A,172,42) Transistor (A,172,72) Transistor (B,168,58) Transistor (B,115,85) Transistor (B,152,42) Transistor (A,71,102) Chip Transistor (B,45,24) Transistor (B,45,24) Transistor	DTC114EUA 2SA1037K DTC114EUA 2SA1036K DTC114EK 2SB1260 DTC114EK 2SB1185 2SD2375 2SD2375 UMX1N 2SD2098 2SD2098 DTC114EUA UMD2N FMG12	E
IC 1305 IC 1351 IC 1352 IC 1401 IC 1402 IC 1501 IC 1551 IC 1552 IC 1601 IC 1608 IC 1608 IC 1609 IC 1610 IC 1619	(B,99,33) IC  (B,90,32) IC  (B,84,33) IC  (B,78,35) IC  (A,54,82) IC  (B,57,103) IC  (A,79,51) IC  (B,62,38) IC  (B,64,71) IC  (B,94,84) IC  (A,93,115) IC  (A,90,99) IC(UC)  (A,90,99) IC(EW5)  (A,71,97) IC  (B,79,108) IC  (B,81,101) L-MOS And Gar  (B,102,86) IC	NJM2505F NJM2794RB2 NJM2137V NJM2391DL1-33 NJM4558E  CXA2069Q NJM2561F1 TC7SH04FUS1 TC7SH08FUS1  PEG355A PEG355A PEG354A TC7SH04FUS1 TC7SH04FUS1 TC7SH04FUS1 TC7SH04FUS1 TC7SH04FUS1 TC7SH04FUS1 TC7SH04FUS1 TC7SH04FUS1	Q 1871 Q 1872 Q 1881 Q 1901 Q 1903 Q 1905 Q 1906 Q 1907 Q 1908 Q 1909 Q 1910 Q 1951 Q 1952 Q 1953 Q 2821 Q 2831 Q 2832	(B,166,105) Chip Transistor (B,171,102) Transistor (B,171,125) Chip Transistor (A,82,80) Transistor (B,86,78) Transistor (B,162,39) Transistor (B,160,29) Transistor (A,173,61) Transistor (A,172,42) Transistor (A,172,72) Transistor (B,168,58) Transistor (B,115,85) Transistor (B,152,42) Transistor (A,71,102) Chip Transistor (B,45,24) Transistor (B,45,12) Transistor (B,45,12) Transistor	DTC114EUA 2SA1037K DTC114EUA 2SA1036K DTC114EK 2SB1260 DTC114EK 2SB1185 2SD2375 2SD2375 2SD2375 UMX1N 2SD2098 2SD2098 DTC114EUA UMD2N FMG12 FMG12	E
IC 1305 IC 1351 IC 1352 IC 1401 IC 1402 IC 1501 IC 1551 IC 1552 IC 1601 IC 1602 IC 1606 IC 1608 IC 1609 IC 1610 IC 1619 IC 1675	(B,99,33) IC  (B,90,32) IC  (B,84,33) IC  (B,78,35) IC  (A,54,82) IC  (B,57,103) IC  (A,79,51) IC  (B,62,38) IC  (B,64,71) IC  (B,94,84) IC  (A,93,115) IC  (A,90,99) IC(UC)  (A,90,99) IC(EW5)  (A,71,97) IC  (B,79,108) IC  (B,81,101) L-MOS And Gar  (B,102,86) IC  (A,85,120) IC	NJM2505F NJM2794RB2 NJM2137V NJM2391DL1-33 NJM4558E  CXA2069Q NJM2561F1 TC7SH04FUS1 TC7SH08FUS1  PEG355A PEG355A PEG354A TC7SH04FUS1 TC7SH04FUS1 TC7SH08FUS1  TC7SH08FUS1 341S2094	Q 1871 Q 1872 Q 1881 Q 1901 Q 1903 Q 1905 Q 1906 Q 1907 Q 1908 Q 1909 Q 1910 Q 1951 Q 1952 Q 1953 Q 2821 Q 2831 Q 2832	(B,166,105) Chip Transistor (B,171,102) Transistor (B,171,125) Chip Transistor (A,82,80) Transistor (B,86,78) Transistor (B,162,39) Transistor (B,160,29) Transistor (A,173,61) Transistor (A,172,42) Transistor (A,172,72) Transistor (B,168,58) Transistor (B,115,85) Transistor (B,152,42) Transistor (A,71,102) Chip Transistor (B,45,24) Transistor (B,45,12) Transistor (B,45,12) Transistor (B,45,6) Transistor	DTC114EUA 2SA1037K DTC114EUA 2SA1036K DTC114EK 2SB1260 DTC114EK 2SB1185 2SD2375 2SD2375 2SD2375 UMX1N 2SD2098 2SD2098 DTC114EUA UMD2N FMG12 FMG12	E
IC 1305 IC 1351 IC 1352 IC 1401 IC 1402 IC 1501 IC 1551 IC 1552 IC 1601 IC 1602 IC 1606 IC 1608 IC 1609 IC 1610 IC 1619 IC 1675 IC 1675	(B,99,33) IC  (B,90,32) IC  (B,84,33) IC  (B,78,35) IC  (A,54,82) IC  (B,57,103) IC  (A,79,51) IC  (B,62,38) IC  (B,64,71) IC  (B,94,84) IC  (A,93,115) IC  (A,90,99) IC(UC)  (A,90,99) IC(EW5)  (A,71,97) IC  (B,79,108) IC  (B,81,101) L-MOS And Garden (B,102,86) IC  (A,85,120) IC  (B,93,118) L-MOS And Garden (B,93,118) L-MOS And Garden (B,93,118)	NJM2505F NJM2794RB2 NJM2137V NJM2391DL1-33 NJM4558E  CXA2069Q NJM2561F1 TC7SH04FUS1 TC7SH08FUS1  PEG355A PEG355A PEG354A TC7SH04FUS1 TC7SH04FUS1 TC7SH08FUS1 341S2094 tte TC7SET08FUS1	Q 1871 Q 1872 Q 1881  Q 1901 Q 1903 Q 1905 Q 1906 Q 1907  Q 1908 Q 1909 Q 1910 Q 1951 Q 1952  Q 1953 Q 2821 Q 2831 Q 2832 Q 2833	(B,166,105) Chip Transistor (B,171,102) Transistor (B,171,125) Chip Transistor (A,82,80) Transistor (B,86,78) Transistor (B,162,39) Transistor (B,160,29) Transistor (A,173,61) Transistor (A,172,42) Transistor (A,172,72) Transistor (B,168,58) Transistor (B,115,85) Transistor (B,152,42) Transistor (A,71,102) Chip Transistor (B,45,24) Transistor (B,45,12) Transistor (B,45,12) Transistor (B,45,12) Transistor (B,45,6) Transistor	DTC114EUA 2SA1037K DTC114EUA 2SA1036K DTC114EK 2SB1260 DTC114EK 2SB1185 2SD2375 2SD2375 UMX1N 2SD2098 2SD2098 DTC114EUA UMD2N FMG12 FMG12 FMG12	E
IC 1305 IC 1351 IC 1352 IC 1401 IC 1402 IC 1501 IC 1551 IC 1552 IC 1601 IC 1602 IC 1606 IC 1608 IC 1609 IC 1610 IC 1619 IC 1675 IC 1676 IC 1677	(B,99,33) IC  (B,90,32) IC  (B,84,33) IC  (B,78,35) IC  (A,54,82) IC  (B,57,103) IC  (A,79,51) IC  (B,62,38) IC  (B,64,71) IC  (B,94,84) IC  (A,93,115) IC  (A,90,99) IC(UC)  (A,90,99) IC(EW5)  (A,71,97) IC  (B,79,108) IC  (B,79,108) IC  (B,81,101) L-MOS And Garden (B,102,86) IC  (A,85,120) IC  (B,93,118) L-MOS And Garden (A,70,106) IC	NJM2505F NJM2794RB2 NJM2137V NJM2391DL1-33 NJM4558E  CXA2069Q NJM2561F1 TC7SH04FUS1 TC7SH08FUS1  PEG355A PEG355A PEG354A TC7SH04FUS1 TC7SH08FUS1 TC7SH08FUS1 341S2094 tte TC7SET08FUS1 TC7WBD125AFK	Q 1871 Q 1872 Q 1881  Q 1901 Q 1903 Q 1905 Q 1906 Q 1907  Q 1908 Q 1909 Q 1910 Q 1951 Q 1952  Q 1953 Q 2821 Q 2831 Q 2832 Q 2833  Q 2834 Q 2886	(B,166,105) Chip Transistor (B,171,102) Transistor (B,171,125) Chip Transistor (A,82,80) Transistor (B,86,78) Transistor (B,162,39) Transistor (B,160,29) Transistor (A,173,61) Transistor (A,172,42) Transistor (A,172,72) Transistor (B,168,58) Transistor (B,115,85) Transistor (B,152,42) Transistor (A,71,102) Chip Transistor (B,45,24) Transistor (B,45,12) Transistor (B,45,12) Transistor (B,45,12) Transistor (B,45,12) Transistor (B,45,12) Transistor (B,49,19) Chip Transistor (B,49,19) Chip Transistor (B,49,19) Chip Transistor	DTC114EUA 2SA1037K DTC114EUA 2SA1036K DTC114EK 2SB1260 DTC114EK 2SB1185 2SD2375 2SD2375 UMX1N 2SD2098 2SD2098 DTC114EUA UMD2N FMG12 FMG12 FMG12 DTA114EUA 2SC4081	E
IC 1305 IC 1351 IC 1352 IC 1401 IC 1402 IC 1501 IC 1551 IC 1552 IC 1601 IC 1602 IC 1606 IC 1608 IC 1609 IC 1610 IC 1619 IC 1675 IC 1676 IC 1677 IC 1751	(B,99,33) IC  (B,90,32) IC  (B,84,33) IC  (B,78,35) IC  (A,54,82) IC  (B,57,103) IC  (A,79,51) IC  (B,62,38) IC  (B,64,71) IC  (B,94,84) IC  (A,93,115) IC  (A,90,99) IC(UC)  (A,90,99) IC(EW5)  (A,71,97) IC  (B,79,108) IC  (B,79,108) IC  (B,102,86) IC  (A,85,120) IC  (B,93,118) L-MOS And Galla,70,106) IC  (B,22,123) IC	NJM2505F NJM2794RB2 NJM2137V NJM2391DL1-33 NJM4558E  CXA2069Q NJM2561F1 TC7SH04FUS1 TC7SH08FUS1  PEG355A PEG355A PEG354A TC7SH04FUS1 TC7SH08FUS1 TC7SH08FUS1 341S2094 tte TC7SET08FUS1 TC7WBD125AFK NJM2794RB2	Q 1871 Q 1872 Q 1881  Q 1901 Q 1903 Q 1905 Q 1906 Q 1907  Q 1908 Q 1909 Q 1910 Q 1951 Q 1952  Q 1953 Q 2821 Q 2831 Q 2832 Q 2833  Q 2834 Q 2886 D 1001	(B,166,105) Chip Transistor (B,171,102) Transistor (B,171,125) Chip Transistor (B,86,78) Transistor (B,162,39) Transistor (B,160,29) Transistor (A,173,61) Transistor (A,172,42) Transistor (A,172,72) Transistor (B,168,58) Transistor (B,115,85) Transistor (B,115,85) Transistor (B,152,42) Transistor (B,71,102) Chip Transistor (B,45,19) Transistor (B,45,19) Transistor (B,45,19) Transistor (B,45,6) Transistor (B,49,19) Chip Transistor (B,49,19) Chip Transistor (B,49,19) Chip Transistor (B,49,19) Chip Transistor (B,45,12) Transistor	DTC114EUA 2SA1037K DTC114EUA 2SA1036K DTC114EK 2SB1260 DTC114EK 2SB1185 2SD2375 2SD2375 UMX1N 2SD2098 2SD2098 DTC114EUA UMD2N FMG12 FMG12 FMG12 DTA114EUA 2SC4081 UDZS6R8(B)	E
IC 1305 IC 1351 IC 1352 IC 1401 IC 1402 IC 1501 IC 1551 IC 1552 IC 1601 IC 1602 IC 1606 IC 1608 IC 1609 IC 1610 IC 1619 IC 1675 IC 1676 IC 1676 IC 1677	(B,99,33) IC  (B,90,32) IC  (B,84,33) IC  (B,78,35) IC  (A,54,82) IC  (B,57,103) IC  (A,79,51) IC  (B,62,38) IC  (B,64,71) IC  (B,94,84) IC  (A,93,115) IC  (A,90,99) IC(UC)  (A,90,99) IC(EW5)  (A,71,97) IC  (B,79,108) IC  (B,79,108) IC  (B,81,101) L-MOS And Garden (B,102,86) IC  (A,85,120) IC  (B,93,118) L-MOS And Garden (A,70,106) IC	NJM2505F NJM2794RB2 NJM2137V NJM2391DL1-33 NJM4558E  CXA2069Q NJM2561F1 TC7SH04FUS1 TC7SH08FUS1  PEG355A PEG355A PEG354A TC7SH04FUS1 TC7SH08FUS1 TC7SH08FUS1 341S2094 tte TC7SET08FUS1 TC7WBD125AFK	Q 1871 Q 1872 Q 1881  Q 1901 Q 1903 Q 1905 Q 1906 Q 1907  Q 1908 Q 1909 Q 1910 Q 1951 Q 1952  Q 1953 Q 2821 Q 2831 Q 2832 Q 2833  Q 2834 Q 2886 D 1001 D 1002	(B,166,105) Chip Transistor (B,171,102) Transistor (B,171,125) Chip Transistor (B,86,78) Transistor (B,162,39) Transistor (B,160,29) Transistor (A,173,61) Transistor (A,172,42) Transistor (A,172,72) Transistor (B,168,58) Transistor (B,115,85) Transistor (B,115,85) Transistor (B,152,42) Transistor (B,71,102) Chip Transistor (B,45,19) Transistor (B,45,19) Transistor (B,45,19) Transistor (B,45,10) Transistor (B,45,11) Transistor (B,45,12) Transistor (B,45,13) Transistor (B,45,13) Transistor (B,45,13) Transistor (B,45,13) Diode (B,133,10) Diode	DTC114EUA 2SA1037K DTC114EUA 2SA1036K DTC114EK 2SB1260 DTC114EK 2SB1185 2SD2375 2SD2375 UMX1N 2SD2098 2SD2098 DTC114EUA UMD2N FMG12 FMG12 FMG12 FMG12 DTA114EUA 2SC4081 UDZS6R8(B) UDZS6R8(B)	E
IC 1305 IC 1351 IC 1352 IC 1401 IC 1402 IC 1501 IC 1551 IC 1552 IC 1601 IC 1606 IC 1608 IC 1609 IC 1610 IC 1619 IC 1675 IC 1676 IC 1677 IC 1751 IC 1752	(B,99,33) IC  (B,90,32) IC  (B,84,33) IC  (B,78,35) IC  (A,54,82) IC  (B,57,103) IC  (A,79,51) IC  (B,62,38) IC  (B,64,71) IC  (B,94,84) IC  (A,93,115) IC  (A,90,99) IC(UC)  (A,90,99) IC(EW5)  (A,71,97) IC  (B,79,108) IC  (B,81,101) L-MOS And Garden (B,102,86) IC  (A,85,120) IC  (B,93,118) L-MOS And Garden (A,70,106) IC  (B,22,123) IC  (B,31,121) IC	NJM2505F NJM2794RB2 NJM2137V NJM2391DL1-33 NJM4558E  CXA2069Q NJM2561F1 TC7SH04FUS1 TC7SH08FUS1  PEG355A PEG355A PEG354A TC7SH04FUS1 TC7SH08FUS1 ate TC7SET08FUS1 TC74VHC08FTS1 341S2094 ate TC7SET08FUS1 TC7WBD125AFK NJM2794RB2 NJM2505F	Q 1871 Q 1872 Q 1881  Q 1901 Q 1903 Q 1905 Q 1906 Q 1907  Q 1908 Q 1909 Q 1910 Q 1951 Q 1952  Q 1953 Q 2821 Q 2831 Q 2832 Q 2833  Q 2834 Q 2886 D 1001	(B,166,105) Chip Transistor (B,171,102) Transistor (B,171,125) Chip Transistor (B,86,78) Transistor (B,162,39) Transistor (B,160,29) Transistor (A,173,61) Transistor (A,172,42) Transistor (A,172,72) Transistor (B,168,58) Transistor (B,115,85) Transistor (B,115,85) Transistor (B,152,42) Transistor (B,71,102) Chip Transistor (B,45,19) Transistor (B,45,19) Transistor (B,45,19) Transistor (B,45,6) Transistor (B,49,19) Chip Transistor (B,49,19) Chip Transistor (B,49,19) Chip Transistor (B,49,19) Chip Transistor (B,45,12) Transistor	DTC114EUA 2SA1037K DTC114EUA 2SA1036K DTC114EK 2SB1260 DTC114EK 2SB1185 2SD2375 2SD2375 UMX1N 2SD2098 2SD2098 DTC114EUA UMD2N FMG12 FMG12 FMG12 DTA114EUA 2SC4081 UDZS6R8(B)	E
IC 1305 IC 1351 IC 1352 IC 1401 IC 1402 IC 1501 IC 1551 IC 1552 IC 1601 IC 1602 IC 1606 IC 1608 IC 1609 IC 1610 IC 1619 IC 1675 IC 1676 IC 1677 IC 1751	(B,99,33) IC  (B,90,32) IC  (B,84,33) IC  (B,78,35) IC  (A,54,82) IC  (B,57,103) IC  (A,79,51) IC  (B,62,38) IC  (B,64,71) IC  (B,94,84) IC  (A,93,115) IC  (A,90,99) IC(UC)  (A,90,99) IC(EW5)  (A,71,97) IC  (B,79,108) IC  (B,79,108) IC  (B,102,86) IC  (A,85,120) IC  (B,93,118) L-MOS And Galla,70,106) IC  (B,22,123) IC	NJM2505F NJM2794RB2 NJM2137V NJM2391DL1-33 NJM4558E  CXA2069Q NJM2561F1 TC7SH04FUS1 TC7SH08FUS1  PEG355A PEG355A PEG354A TC7SH04FUS1 TC7SH08FUS1 TC7SH08FUS1 341S2094 tte TC7SET08FUS1 TC7WBD125AFK NJM2794RB2	Q 1871 Q 1872 Q 1881  Q 1901 Q 1903 Q 1905 Q 1906 Q 1907  Q 1908 Q 1909 Q 1910 Q 1951 Q 1952  Q 1953 Q 2821 Q 2831 Q 2832 Q 2833  Q 2834 Q 2886 D 1001 D 1002 D 1003	(B,166,105) Chip Transistor (B,171,102) Transistor (B,171,125) Chip Transistor (B,86,78) Transistor (B,162,39) Transistor (B,160,29) Transistor (A,173,61) Transistor (A,172,42) Transistor (A,172,72) Transistor (B,168,58) Transistor (B,115,85) Transistor (B,115,85) Transistor (B,152,42) Transistor (B,71,102) Chip Transistor (B,45,19) Transistor (B,45,19) Transistor (B,45,12) Transistor (B,45,12) Transistor (B,45,12) Transistor (B,49,19) Chip Transistor (B,49,19) Chip Transistor (B,49,19) Chip Transistor (B,49,19) Chip Transistor (B,43,10) Diode (B,133,10) Diode (B,137,10) Diode	DTC114EUA 2SA1037K DTC114EUA 2SA1036K DTC114EK 2SB1260 DTC114EK 2SB1185 2SD2375 2SD2375 UMX1N 2SD2098 2SD2098 DTC114EUA UMD2N FMG12 FMG12 FMG12 DTA114EUA 2SC4081 UDZS6R8(B) UDZS6R8(B)	E
IC 1305 IC 1351 IC 1352 IC 1401 IC 1402 IC 1501 IC 1551 IC 1552 IC 1601 IC 1606 IC 1608 IC 1609 IC 1610 IC 1619 IC 1675 IC 1676 IC 1677 IC 1751 IC 1752	(B,99,33) IC  (B,90,32) IC  (B,84,33) IC  (B,78,35) IC  (A,54,82) IC  (B,57,103) IC  (A,79,51) IC  (B,62,38) IC  (B,64,71) IC  (B,94,84) IC  (A,93,115) IC  (A,90,99) IC(UC)  (A,90,99) IC(EW5)  (A,71,97) IC  (B,79,108) IC  (B,81,101) L-MOS And Garden (B,102,86) IC  (A,85,120) IC  (B,93,118) L-MOS And Garden (A,70,106) IC  (B,22,123) IC  (B,31,121) IC	NJM2505F NJM2794RB2 NJM2137V NJM2391DL1-33 NJM4558E  CXA2069Q NJM2561F1 TC7SH04FUS1 TC7SH08FUS1  PEG355A PEG355A PEG354A TC7SH04FUS1 TC7SH08FUS1 ate TC7SET08FUS1 TC74VHC08FTS1 341S2094 ate TC7SET08FUS1 TC7WBD125AFK NJM2794RB2 NJM2505F	Q 1871 Q 1872 Q 1881  Q 1901 Q 1903 Q 1905 Q 1906 Q 1907  Q 1908 Q 1909 Q 1910 Q 1951 Q 1952  Q 1953 Q 2821 Q 2831 Q 2832 Q 2833  Q 2834 Q 2886 D 1001 D 1002 D 1003	(B,166,105) Chip Transistor (B,171,102) Transistor (B,171,125) Chip Transistor (B,86,78) Transistor (B,162,39) Transistor (B,160,29) Transistor (A,173,61) Transistor (A,172,42) Transistor (A,172,72) Transistor (B,168,58) Transistor (B,115,85) Transistor (B,115,85) Transistor (B,152,42) Transistor (B,71,102) Chip Transistor (B,45,19) Transistor (B,45,19) Transistor (B,45,19) Transistor (B,45,10) Transistor (B,45,11) Transistor (B,45,12) Transistor (B,45,13) Transistor (B,45,13) Transistor (B,45,13) Transistor (B,45,13) Diode (B,133,10) Diode	DTC114EUA 2SA1037K DTC114EUA 2SA1036K DTC114EK 2SB1260 DTC114EK 2SB1185 2SD2375 2SD2375 UMX1N 2SD2098 2SD2098 DTC114EUA UMD2N FMG12 FMG12 FMG12 FMG12 DTA114EUA 2SC4081 UDZS6R8(B) UDZS6R8(B)	E
IC 1305 IC 1351 IC 1352 IC 1401 IC 1402 IC 1501 IC 1551 IC 1552 IC 1601 IC 1606 IC 1608 IC 1609 IC 1610 IC 1619 IC 1675 IC 1676 IC 1677 IC 1751 IC 1752	(B,99,33) IC  (B,90,32) IC  (B,84,33) IC  (B,78,35) IC  (A,54,82) IC  (B,57,103) IC  (A,79,51) IC  (B,62,38) IC  (B,64,71) IC  (B,94,84) IC  (A,93,115) IC  (A,90,99) IC(UC)  (A,90,99) IC(EW5)  (A,71,97) IC  (B,79,108) IC  (B,81,101) L-MOS And Garden (B,102,86) IC  (A,85,120) IC  (B,93,118) L-MOS And Garden (A,70,106) IC  (B,22,123) IC  (B,31,121) IC	NJM2505F NJM2794RB2 NJM2137V NJM2391DL1-33 NJM4558E  CXA2069Q NJM2561F1 TC7SH04FUS1 TC7SH08FUS1  PEG355A PEG355A PEG354A TC7SH04FUS1 TC7SH08FUS1 ate TC7SET08FUS1 TC74VHC08FTS1 341S2094 ate TC7SET08FUS1 TC7WBD125AFK NJM2794RB2 NJM2505F	Q 1871 Q 1872 Q 1881  Q 1901 Q 1903 Q 1905 Q 1906 Q 1907  Q 1908 Q 1909 Q 1910 Q 1951 Q 1952  Q 1953 Q 2821 Q 2831 Q 2832 Q 2833  Q 2834 Q 2886 D 1001 D 1002 D 1003	(B,166,105) Chip Transistor (B,171,102) Transistor (B,171,125) Chip Transistor (B,86,78) Transistor (B,162,39) Transistor (B,160,29) Transistor (A,173,61) Transistor (A,172,42) Transistor (A,172,72) Transistor (B,168,58) Transistor (B,115,85) Transistor (B,115,85) Transistor (B,152,42) Transistor (B,71,102) Chip Transistor (B,45,19) Transistor (B,45,19) Transistor (B,45,12) Transistor (B,45,12) Transistor (B,45,12) Transistor (B,49,19) Chip Transistor (B,49,19) Chip Transistor (B,49,19) Chip Transistor (B,49,19) Chip Transistor (B,43,10) Diode (B,133,10) Diode (B,137,10) Diode	DTC114EUA 2SA1037K DTC114EUA 2SA1036K DTC114EK 2SB1260 DTC114EK 2SB1185 2SD2375 2SD2375 UMX1N 2SD2098 2SD2098 DTC114EUA UMD2N FMG12 FMG12 FMG12 DTA114EUA 2SC4081 UDZS6R8(B) UDZS6R8(B)	E

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	Circ	uit Symbol and No.	Part No.	Circ	cuit Symbol and No.	Part No.
	D 1005	(A,133,27) Diode	UDZS6R8(B)	D 1903	(B,167,70) Diode	UDZS5R6(B)
	D 1006	(B,137,15) Diode	UDZS6R8(B)	D 1950	(B,107,91) Diode	UDZS13(B)
	D 1007	(A,132,23) Diode	UDZS6R8(B)	D 1951	(B,153,46) Diode	UDZS5R6(B)
Α	D 1008	(B,128,10) Diode (B,127,15) Diode	UDZS6R8(B) UDZS6R8(B)	D 1983 D 1984	(A,162,127) Diode (A,162,131) Diode	UDZS27(B) UDZS27(B)
	D 1010	(A,131,27) Diode	UDZS6R8(B)	D 1986	(B,167,63) Diode	HZU7R5(B3)
	D 1011	(A,128,23) Diode	UDZS6R8(B)	D 2811	(B,32,20) Diode	EDZ10(B)
	D 1012	(A,130,23) Diode	MALS068X	D 2812	(B,29,21) Diode	EDZ10(B)
	D 1013	(A,135,27) Diode	UDZS6R8(B)	D 2813	(B,23,18) Diode	UDZS6R8(B)
	D 1014	(A,129,27) Diode	MALS068X	D 2814	(B,22,18) Diode	UDZS6R8(B)
	D 1015	(A,122,27) Diode	MALS068X	D 2821	(B,50,26) Diode	MA111
	D 1016	(A,126,23) Diode	UDZS6R8(B)	D 2822	(B,52,20) Diode	DAN202U
В	D 1017	(A,125,27) Diode	UDZS6R8(B)	D 2851	(B,23,35) Diode	1SS355
	D 1018	(A,124,27) Diode	UDZS6R8(B)	D 2852	(B,19,35) Diode	1SS355
	D 1019	(A,119,29) Diode	MALS068X	D 2886	(A,28,10) Diode	S1G-6904G2P
	D 1020	(A,118,29) Diode	MALS068X	D 2887	(A,28,13) Diode	S1G-6904G2P
	D 1021	(A,116,29) Diode	MALS068X	ZNR1401	(A,18,34) Surge Protector	RCCA-201Q31UA-PI
	D 1022	(A,113,29) Diode	MALS068X	L 1001	(B,132,12) Inductor	CTF1334
	D 1023	(A,127,27) Diode	UDZS6R8(B)	L 1002	(B,132,7) Inductor	CTF1334
	D 1101	(B,109,116) Diode	DAN202U	L 1003	(B,137,7) Inductor	CTF1334
	D 1102	(B,114,116) Diode	MALS068X	L 1004	(B,137,12) Inductor	CTF1334
	D 1103	(B,112,116) Diode	DAP202U	L 1005	(B,128,7) Inductor	CTF1306
	D 1104	(B,119,116) Diode	MALS068X	L 1006	(B,135,31) Inductor	CTF1306
	D 1301	(B,104,20) Diode	MALS068X	L 1007	(B,136,31) Inductor	CTF1306
С	D 1302 D 1303	(B,89,20) Diode	MALS068X	L 1008	(B,138,31) Inductor	CTF1306
	D 1303	(B,77,20) Diode	MALS068X	L 1009	(B,113,31) Inductor	CTF1306
	D 1304	(B,74,20) Diode	MALS068X	L 1010	(B,114,31) Inductor	CTF1306
	D 1305	(B,68,24) Diode	MALS180X	L 1011	(B,118,31) Inductor	CTF1306
	D 1308	(B,68,22) Diode (B,49,16) Diode	MALS180X MALS068X	L 1012 L 1013	(B,120,31) Inductor (B,123,31) Inductor	CTF1306 CTF1334
•	D 1352	(B,49,10) Diode	MALS068X	L 1014	(B,124,31) Inductor	CTF1334
	D 1353	(B,49,13) Diode	MALS068X	L 1015	(B,126,31) Inductor	CTF1334
	D 1354	(B,49,17) Diode	MALS068X	L 1016	(B,121,31) Inductor	CTF1382
	D 1401	(A,52,74) Diode	1SR154-400	L 1017	(B,127,31) Inductor	CTF1334
D	D 1402	(A,52,70) Diode	1SR154-400	L 1018	(B,130,31) Inductor	CTF1382
	D 1403	(A,52,66) Diode	1SR154-400	L 1019	(B,132,31) Inductor	CTF1382
	D 1551	(B,68,86) Diode	DAP202U	L 1020	(B,133,31) Inductor	CTF1334
	D 1552	(B,61,74) Diode	MA111	L 1021	(B,127,12) Inductor	CTF1334
	D 1553	(B,61,87) Diode	DAN202U	L 1022	(B,129,31) Inductor	CTF1334
	D 1556	(A,70,88) Diode	UDZS8R2(B)	L 1023	(A,104,110) Inductor	CTF1334
	D 1751	(B,51,123) Diode	MALS068X	L 1026	(B,94,44) Chip Ferrite Bea	d CTF1399
	D 1752	(B,47,116) Diode	EDZ6R8(B)	L 1101	(B,72,118) Inductor	LCTAW2R2J2520
	D 1752 D 1753 D 1754	(B,47,113) Diode (B,46,122) Diode	EDZ6R8(B) EDZ6R8(B)	L 1102 L 1103	(B,141,119) Inductor (B,139,119) Inductor	CTF1334 CTF1334
E	D 1755 D 1756 D 1757	(B,46,125) Diode (B,46,119) Diode (B,52,130) Diode	EDZ6R8(B) EDZ6R8(B) MALS068X	L 1104 L 1105 L 1302	(B,134,119) Inductor (B,136,119) Inductor (B,102,32) Chip Ferrite Be	CTF1334 CTF1334
	D 1758	(B,48,130) Diode	MALS068X	L 1307	(B,103,24) Inductor	CTF1334
	D 1759	(B,51,120) Diode	MALS068X	L 1308	(B,105,24) Inductor	CTF1334
	D 1760	(B,49,130) Diode	MALS068X	L 1309	(B,108,24) Inductor	CTF1334
	D 1763	(B,63,114) Diode	RB060L-40	L 1310	(B,106,24) Inductor	CTF1334
	D 1764	(A,133,119) Diode	UDZS22(B)	L 1351	(B,81,38) Chip Ferrite Bea	d CTF1399
	D 1801	(B,132,76) Diode(EW5)	HZU3R3(B1)	L 1353	(B,78,25) Inductor	CTF1334
	D 1821	(A,159,125) Diode	S1G-6904G2P	L 1354	(B,78,23) Inductor	CTF1334
	D 1824	(A,150,119) Diode	1SS355	L 1355	(B,78,28) Inductor	CTF1334
	D 1871	(B,163,99) Diode	UDZS5R6(B)	L 1356	(B,78,27) Inductor	CTF1334
	D 1882	(B,167,127) Diode	1SS355	L 1401	(B,40,45) Chip Coil	LCTAW4R7J2520
F	D 1883 D 1884	(A,168,126) Diode (B,145,110) Diode	UDZS6R8(B) RB500V-40	L 1401 L 1402 L 1403	(A,28,33) Inductor(EW5) (B,56,79) Chip Coil	LCTAW4R7J2520 LCTAWR12J2520 LCTAW1R0J2520
	D 1902	(B,167,46) Diode	HZU9R1(B3)	L 1404	(A,32,35) Inductor(EW5)	LCTCR10K2125
_ 2	286	1	7,10-14-	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	2	4

Circ	uit Symbol and No.	Part No.	Circu	uit Symbol and No.	Part No.	
L 1405	(A,56,92) Chip Coil	LCTAW1R0J2520	L 2853	(B,51,16) Inductor	CTF1334	
L 1406	(B,58,58) Chip Coil	LCTAW1R0J2520	L 2854	(B,60,11) Inductor	CTF1334	
L 1407	(A,44,33) Coil(EW5)	CTC1194	L 2855	(B,60,13) Inductor	CTF1334	
L 1408	(B,54,46) Inductor(EW5)	LCTCR10K2125	L 2856	(B,51,13) Inductor	CTF1334	Α
	<b></b>			( <del>-</del>		
L 1409	(B,54,43) Inductor(EW5)	LCTCR18K2125	L 2857	(B,51,9) Inductor	CTF1306	
L 1410	(B,58,43) Inductor(EW5)	LCTAW101J2520	L 2861	(B,51,6) Inductor	CTF1306	
L 1411	(A,39,26) Coil(EW5)	CTC1193	L 2862	(B,60,7) Inductor	CTF1306	
L 1412	(B,38,23) Inductor(EW5)	LCTAW101J2520	L 2886	(B,29,12) Inductor	CTF1295	
L 1413	(A,49,26) Coil(EW5)	CTC1192	X 1601	(A,90,111) Oscillator 20.000	1 MHZ V 3 5 1 1 8 0	
L 1501	(B,82,58) Chip Coil	LCTAW100J2520	X 1675	(A,79,116) Oscillator 32.768	kHz CSS1735	
L 1551	(B,64,76) Inductor	LCTAW101J2520	VR1551	(A,62,48) Semi-fixed 10 koh	nm(B) CCP1448	
L 1552	(B,64,49) Chip Coil	LCTAW100J2520	<b>∱FU1701</b>	(A,93,123) Fuse 3.15 A	CEK1259	
L 1553	(B,76,74) Chip Coil	LCTAW100J2520	<b></b> £FU1702	(A,71,124) Fuse 3.15 A	CEK1259	
L 1554	(B,65,35) Chip Coil	LCTAW100J2520	<b>.</b> FU1951	(A,118,88) Fuse 2 A	CEK1257	
1 4555	(D 70 00) Obit Obit	LOTANALOGIOCOG	<b>A</b> FU0004	(D 00 5)	051/4050	В
L 1555	(B,72,63) Chip Coil	LCTAW100J2520	<b></b> FU2801	(B,32,5) Fuse 3.15 A	CEK1259	
L 1601	(A,97,84) Inductor	CTF1379	GY1861	(A,171,114) Sensor	CSX1118	
L 1602	(B,98,103) Inductor (A,86,112) Inductor	CTF1379 CTF1379	GY1890	(A,171,100) Sensor	CSX1122	
L 1603	· · · · · ·	CTF1379 CTF1379	Y 1401	(A,46,43) FM/AM Tuner Uni		
L 1604	(A,89,85) Inductor	C1F13/9	Y 1801	(A,46,43) FM/AM Tuner Unit (A,124,70) Tuner Unit(EW5		_
L 1605	(B,82,108) Inductor	CTF1410	1 1001	(A, 124,70) Turier OfficeWS	) GVVE1074	
L 1606	(B,84,101) Inductor	CTF1410	EF1302	(B,90,25) EMI Filter	CCG1067	
L 1675	(A,77,121) Chip Coil	LCTAW100J2520	EF1304	(B,73,21) EMI Filter	CCG1067	
L 1676	(B,95,114) Inductor	CTF1410	EF1351	(B,68,33) EMI Filter	CCG1067	
L 1677	(A,70,111) Inductor	CTF1410	EF1701	(A,98,124) EMI Filter	CCG1067	
	(-,,,		EF1751	(B,30,130) EMI Filter	CCG1067	
L 1751	(B,30,118) Chip Ferrite Bea	d CTF1399		,		С
L 1801	(B,144,61) Inductor(EW5)	LCTCR15K2125	EF1901	(A,143,39) EMI Filter	CCG1172	
L 1802	(B,141,59) Chip Coil(EW5)	LCTAW1R0J2520	EF1902	(A,122,39) EMI Filter	CCG1172	
L 1803	(B,113,64) Inductor(EW5)	LCTAW2R2J2520	EF1903	(A,132,39) EMI Filter	CCG1172	
L 1804	(B,118,77) Chip Coil(EW5)	LCTAW1R0J2520				
			RESISTOF	<u> </u>		
L 1821	(A,159,121) Inductor	CTF1306				
L 1841	(A,148,116) Inductor	CTF1334	R 1001	(B,111,39)	RS1/16SS750J	
L 1842	(A,146,110) Inductor	CTF1334	R 1002	(B,111,40)	RS1/16SS103J	
L 1843	(A,146,108) Inductor(EW5)		R 1003	(B,111,38)	RS1/16SS103J	
L 1844	(A,146,106) Inductor(EW5)	C1F1334	R 1004	(B,105,41)	RS1/16SS472J	
L 1845	(A,146,104) Inductor(EW5)	CTE1224	R 1005	(B,105,39)	RS1/16SS472J	
L 1846	(A,146,103) Inductor(EW5)		D 4000	(P. 101.00)	D04/4000E401	D
L 1847	(A,163,104) Inductor(EW5)		R 1006	(B,104,39)	RS1/16SS512J	
L 1848	(A,161,103) Inductor(EW5)		R 1007	(B,103,39)	RS1/16SS102J	
L 1849	(A,160,117) Inductor	CTF1393	R 1008 R 1009	(B,104,43) (B,104,41)	RS1/16SS101J RS1/16SS512J	
0.0	(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		R 1009	(B,93,40)	RS1/16SS563J	
L 1850	(A,161,115) Inductor	CTF1334		(2,00,10)		
L 1851	(B,163,110) Inductor	CTF1334	R 1017	(B,93,38)	RS1/16SS473J	
L 1862	(B,170,118) Inductor	CTF1334	R 1041	(B,110,45)	RS1/16SS223J	
L 1871	(A,146,86) Inductor	CTF1334	R 1042	(B,110,48)	RS1/16SS223J	
L 1872	(A,145,115) Inductor	CTF1393	R 1043	(B,110,44)	RS1/16SS101J	
1 4070	(D.140.05)   Ladada	0.754,000	R 1044	(B,110,46)	RS1/16SS102J	
L 1873	(B,142,85) Inductor	CTF1393				
L 1881	(A,167,125) Inductor	CTF1306	R 1047	(B,110,50)	RS1/16SS101J	Е
L 1891	(A,173,91) Inductor (B,30,18) Chip Ferrite Bead	CTF1334	R 1048	(B,110,47)	RS1/16SS102J	
L 2811 L 2812	(B,28,18) Chip Ferrite Bead		R 1103	(B,72,104)	RS1/16S101J	
L 2012	(b,zo, ro) Only refine beau	1011 1937	R 1104	(B,73,104)	RS1/16S101J	
L 2813	(B,26,17) Inductor	CTF1334	R 1105	(B,74,117)	RS1/16S102J	
L 2814	(B,19,20) Inductor	CTF1334	R 1106	(B,67,117)	RS1/10S101J	
L 2831	(B,35,21) Inductor	CTF1306	R 1100	(B,69,117)	RS1/10S101J	
L 2832	(B,35,17) Inductor	CTF1306	R 1108	(B,68,120)	RS1/10S620J	
L 2833	(B,35,14) Inductor	CTF1306	R 1109	(B,139,116)	RS1/16SS102J	
			R 1110	(B,136,116)	RS1/16SS102J	
L 2834	(B,35,10) Inductor	CTF1306			-	
L 2835	(B,35,8) Inductor	CTF1306	R 1111	(B,140,116)	RS1/16SS223J	
L 2836	(B,35,4) Inductor	CTF1306	R 1112	(B,135,116)	RS1/16SS223J	F
L 2850	(B,19,33) Inductor	CTF1556	R 1113	(B,141,116)	RS1/16SS101J	•
L 2851	(B,60,15) Inductor	CTF1334	R 1114	(B,134,116)	RS1/16SS101J	
1 0050	(D E4 44) Indicate:	CTC1004	R 1115	(B,131,130)	RS1/16S332J	
L 2852	(B,51,11) Inductor	CTF1334				
		AVIC-N4	I/XU/UC			287 _
	5	6		7	8	

		1 -	2	-		3	4
	Circ	cuit Symbol and No.	Part No.		<u>Cir</u>	cuit Symbol and No.	Part No.
	R 1116	(B,128,128)	RS1/16S682J	R	1421	(B,49,33) (EW5)	RS1/16S151J
	R 1117	(B,132,124)	RS1/10S222J		1422	(B,50,23) (EW5)	RS1/16S151J
Α	R 1303	(B,96,34)	RS1/16SS563J		1423	(B,46,26) (EW5)	RS1/16S101J
	R 1304	(B,96,32)	RS1/16SS473J		1424	(B,53,22) (EW5)	RS1/16S680J
	R 1305	(B,105,26)	RS1/16SS102J	R	1425	(B,107,98) (EW5)	RS1/16SS223J
	R 1306 R 1307	(B,106,26)	RS1/16SS102J RS1/16SS223J		1426 1427	(A,49,77) (B,87,112) (EW5)	RS1/16S681J RS1/16SS223J
	R 1307	(B,104,26) (B,107,26)	RS1/16SS223J		1428	(B,53,53)	RS1/16S681J
	R 1317	(B,90,28)	RS1/16SS101J		1429	(B,54,64)	RS1/16S681J
	R 1318	(B,87,26)	RS1/16SS101J		1430	(B,54,66) (EW5)	RS1/16S681J
	R 1321	(B,103,26)	RS1/16SS101J	R	1431	(B,54,61)	RS1/16S681J
	R 1322	(B,108,26)	RS1/16SS101J		1432	(B,107,99) (EW5)	RS1/16SS223J
_	R 1323	(B,99,26)	RS1/16SS512J		1433	(B,107,96) (EW5)	RS1/16SS223J
В	R 1324	(B,88,24)	RS1/16SS473J		1434	(B,40,48) (UC)	RS1/4S0R0J
	R 1325	(B,97,27)	RS1/16SS102J		1435	(B,54,76)	RS1/16S223J
	D 1006	(D 101 04)	DC1/16CC101 I	н	1437	(A,62,98)	RS1/10S0R0J
	R 1326 R 1327	(B,101,24) (B,101,26)	RS1/16SS101J RS1/16SS512J	D	1438	(A,63,109)	RS1/10S0R0J
	R 1328	(B,99,25)	RS1/16SS472J		1439	(A,63,109)	RS1/10S0R0J
_	R 1330	(B,99,24)	RS1/16SS472J		1501	(B,84,48)	RS1/16S821J
	R 1331	(B,94,27)	RS1/16SS103J		1502	(B,84,46)	RS1/16S821J
	11 1001	(0,04,27)	1101/10001000		1505	(B,78,48)	RS1/16S473J
	R 1332	(B,94,24)	RS1/16SS103J		1506	(B,78,46)	RS1/16S473J
	R 1333	(B,94,25)	RS1/16SS750J		.000	(2,10,10)	
	R 1337	(B,92,25)	RS1/16SS473J	R	1507	(B,75,48)	RS1/16S0R0J
	R 1347	(B,88,26)	RS1/16SS750J		1508	(B,75,46)	RS1/16S0R0J
С	R 1351	(B,75,36)	RS1/16SS563J	R	1509	(B,69,43)	RS1/16S0R0J
				R	1510	(B,72,43)	RS1/16S0R0J
	R 1352	(B,75,34)	RS1/16SS473J	R	1511	(B,68,50)	RS1/16S0R0J
	R 1353	(B,75,31)	RS1/16SS512J				
	R 1354	(B,75,32)	RS1/16SS102J		1512	(B,68,48)	RS1/16S0R0J
	R 1355	(B,80,31)	RS1/16SS101J		1513	(B,78,43)	RS1/16S562J
	R 1356	(B,80,30)	RS1/16SS512J		1514	(B,81,43)	RS1/16S562J
	D 1057	(D. 75.00)	DC1/16CC4701		1515	(B,86,43)	RS1/16S562J
	R 1357 R 1358	(B,75,30) (B,75,29)	RS1/16SS472J RS1/16SS472J	н	1516	(B,89,43)	RS1/16S562J
	R 1359	(B,80,25)	RS1/16SS102J	D	1517	(B,87,59)	RS1/16S101J
	R 1360	(B,80,26)	RS1/16SS102J		1518	(B,89,59)	RS1/16S101J
	R 1361	(B,69,31)	RS1/16SS103J		1519	(B,90,56)	RS1/16S562J
D		(=,==,==,/			1520	(A,95,49)	RS1/16S562J
	R 1362	(B,69,30)	RS1/16SS103J		1521	(A,95,47)	RS1/16S562J
	R 1363	(B,80,27)	RS1/16SS223J			,	
	R 1364	(B,80,24)	RS1/16SS223J	R	1522	(B,90,54)	RS1/16S562J
	R 1365	(B,70,31)	RS1/16SS750J		1525	(A,101,50)	RS1/16SS0R0J
	R 1366	(B,80,28)	RS1/16SS101J		1526	(A,101,45)	RS1/16SS0R0J
					1551	(B,77,77)	RS1/16S182J
	R 1367	(B,80,23)	RS1/16SS101J	R	1552	(B,69,77)	RS1/16S182J
	R 1368	(B,71,27)	RS1/16S0R0J	_	1550	(D 74 77)	D04/400474 !
	R 1401	(A,25,33) (EW5)	RS1/16S105J		1553	(B,74,77)	RS1/16S471J
	R 1402 R 1403	(B,60,107) (B,61,98)	RS1/16S0R0J RS1/16S0R0J		1554 1555	(B,72,77) (B,75,89)	RS1/16S471J RS1/16S821J
	n 1403	(0,01,90)	N3 1/1030N00		1556	(B,75,84)	RS1/16S821J
Ε	R 1404	(B,54,59)	RS1/16S681J		1557	(B,75,85)	RS1/16S104J
	R 1405	(B,53,56)	RS1/16S681J		1007	(2,70,00)	1101/10010-10
	R 1406	(B,42,31) (EW5)	RS1/16S821J	R	1558	(B,75,87)	RS1/16S104J
	R 1407	(A,49,102)	RS1/16S103J		1559	(B,62,54)	RS1/16S102J
	R 1408	(A,49,105)	RS1/16S103J	R	1560	(B,74,70)	RS1/16S102J
				R	1561	(B,64,54)	RS1/16S103J
	R 1409	(A,50,105)	RS1/16S104J	R	1562	(B,64,86)	RS1/4S821J
	R 1410	(A,50,102)	RS1/16S104J				
	R 1411	(B,45,30) (EW5)	RS1/16S330J		1563	(B,59,80)	RS1/16S223J
	R 1414	(B,55,42) (EW5)	RS1/16S151J		1564	(B,72,66)	RS1/16S123J
	R 1415	(B,56,97)	RS1/16S0R0J		1565	(B,60,49)	RS1/16S123J
	D 4445	(D EE 400)	D04/4000D0:		1566	(B,60,80)	RS1/16S223J
F	R 1416	(B,55,108)	RS1/16S0R0J	R	1567	(B,58,49)	RS1/16S471J
	R 1417	(B,58,37) (EW5)	RS1/16S681J	<u> </u>	1560	(P 75 67)	D01/160100 I
	R 1418 R 1419	(B,57,35) (EW5) (B,41,27) (EW5)	RS1/16S152J RS1/16S332J		1568 1569	(B,75,67) (B,61,78)	RS1/16S103J RS1/16S101J
	R 1419 R 1420	(B,53,35) (EW5)	RS1/16S680J		1570	(B,75,66)	RS1/16S471J
	11 1740	(5,55,55) (2445)			1070	(5,70,00)	1101/1004/10
•	288	1	2 AVI	C-N4/XU/UC		3	4

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Circ	cuit Symbol and No.	Part No.	Circ	uit Symbol and No.	Part No.	
R 1571	(B,61,84)	RS1/16S473J	R 1661	(B,78,110)	RS1/16SS102J	
	,		R 1662			
R 1572	(B,64,41)	RS1/16S105J	H 1002	(B,85,105)	RS1/16SS393J	
D 4570	(D. 00. 74)	D04/4004051	D 4000	(D. 07.105)	D04/40005441	•
R 1573	(B,69,71)	RS1/16S105J	R 1663	(B,87,105)	RS1/16SS514J	Α
R 1574	(A,66,89)	RS1/16S563J	R 1664	(B,79,101)	RS1/16SS473J	
R 1575	(A,69,86)	RS1/16S223J	R 1665	(B,68,98)	RS1/16SS563J	
R 1576	(A,74,29)	RS1/16S750J	R 1667	(A,102,103)	RS1/16SS681J	
R 1577	(B,65,68)	RS1/16S0R0J	R 1668	(A,102,104)	RS1/16SS681J	
R 1579	(A,69,84)	RS1/16S473J	R 1669	(A,84,88)	RS1/16SS681J	_
R 1580	(A,66,66)	RS1/16S750J	R 1670	(A,87,88)	RS1/16SS681J	
R 1601	(B,96,82)	RS1/16S473J	R 1671	(B,84,88)	RS1/16SS473J	
R 1602	(B,105,81)	RS1/16SS0R0J	R 1672	(B,88,86)	RS1/16SS473J	
R 1603	(B,106,84)	RS1/16SS0R0J	R 1673	(A,86,88)	RS1/16SS681J	
11 1000	(B, 100,04)	1101/100001100	11 1070	(7,00,00)	1101/10000010	
R 1604	(B,103,91)	RS1/16SS0R0J	R 1674	(A 95 99)	RS1/16SS681J	
	,			(A,85,88)		В
R 1605	(A,101,121)	RS1/16SS681J	R 1676	(B,86,117)	RS1/16SS104J	ь
R 1607	(B,105,105)	RS1/16SS104J	R 1677	(B,87,117)	RS1/16SS104J	
R 1609	(A,101,96)	RS1/16SS681J	R 1678	(B,88,118)	RS1/16SS104J	
R 1611	(A,102,106)	RS1/16SS681J	R 1679	(B,86,114)	RS1/16SS103J	
R 1612	(A,96,116)	RS1/16SS473J	R 1680	(B,89,116)	RS1/16SS104J	
R 1613	(A,102,105)	RS1/16SS681J	R 1681	(A,91,119)	RS1/16SS103J	
R 1614	(A,102,107)	RS1/16SS681J	R 1682	(A,90,121)	RS1/16SS1003D	-
R 1615	(B,101,90)	RS1/16SS473J	R 1683	(B,84,91)	RS1/16SS473J	
R 1616	(B,101,100)	RS1/16SS473J	R 1684	(B,85,91)	RS1/16SS473J	
	(=,:::)			(=,==,==,		
R 1618	(A,95,111)	RS1/16SS681J	R 1687	(A,102,109)	RS1/16SS0R0J	
R 1619	(A,102,94)	RAB4C681J	R 1688	(A,98,114)	RS1/16SS473J	
R 1620	(A,102,94) (A,102,99) (EW5)	RAB4C681J	R 1690	(A,78,102)	RS1/16SS101J	С
				,	RS1/16SS101J	-
R 1621	(A,103,121)	RS1/16SS681J	R 1691	(A,78,101)		
R 1622	(B,108,96)	RS1/16SS473J	R 1692	(A,78,100)	RS1/16SS101J	
R 1623	(B,98,114)	RS1/16SS104J	R 1693	(A,78,99)	RS1/16SS101J	
R 1624	(B,108,103)	RS1/16SS473J	R 1694	(A,78,90)	RS1/16SS681J	
R 1625	(B,79,99)	RS1/16SS473J	R 1695	(A,78,91)	RS1/16SS681J	
R 1626	(B,97,88)	RS1/16SS473J	R 1696	(A,78,92)	RS1/16SS681J	
R 1627	(A,96,88)	RS1/16SS681J	R 1697	(A,78,93)	RS1/16SS681J	
R 1628	(A,96,111)	RS1/16SS681J	R 1698	(B,91,117)	RS1/16SS104J	
R 1629	(A,95,88)	RS1/16SS681J	R 1699	(B,81,119)	RS1/16SS103J	
R 1631	(B,94,91)	RS1/16SS473J	R 1702	(A,99,122)	RS1/16S0R0J	
R 1632	(A,93,88)	RS1/16SS681J	R 1703	(A,72,108)	RS1/16SS103J	D
R 1633	(B,93,111)	RS1/16SS681J	R 1704	(A,72,106)	RS1/16SS103J	
11 1000	(2,00,111)	1101/10000010	11 1701	(71,72,100)	1101/10001000	
R 1634	(A,91,88)	RS1/16SS681J	R 1751	(B,51,114)	RS1/16S0R0J	
R 1635	(B,94,108)	RS1/16SS473J	R 1752	(B,51,112)	RS1/16S0R0J	
	(A,85,111)	RS1/16SS473J		,	RS1/16S0R0J	
R 1638	, , ,		R 1753	(B,24,133)		_
R 1639	(A,84,111) (EW5)	RS1/16SS681J	R 1754	(B,51,117)	RS1/16S0R0J	
R 1640	(A,83,111) (EW5)	RS1/16SS0R0J	R 1755	(B,30,133)	RS1/16S0R0J	
	(*)	50.//.500.		(5.55.455)	50.44.50.55.4	
R 1641	(A,83,88)	RS1/16SS470J	R 1756	(B,20,133)	RS1/16S0R0J	
R 1642	(A,82,88)	RS1/16SS470J	R 1757	(B,51,118)	RS1/16S0R0J	
R 1643	(B,83,88)	RS1/16SS103J	R 1758	(B,51,115)	RS1/16S0R0J	
R 1644	(B,82,88)	RS1/16SS103J	R 1759	(B,33,133)	RS1/16S0R0J	Е
R 1645	(A,78,96)	RAB4C681J	R 1760	(B,23,133)	RS1/16S0R0J	_
R 1647	(B,82,111)	RS1/16SS473J	R 1761	(B,21,133)	RS1/16S0R0J	
R 1648	(B,78,113)	RS1/16SS102J	R 1762	(B,25,131)	RS1/16SS101J	
R 1649	(A,72,95)	RS1/16SS473J	R 1763	(B,31,127)	RS1/16SS750J	
R 1650	(A,78,108)	RS1/16SS472J	R 1764	(B,32,128)	RS1/16SS473J	
R 1651	(A,78,106)	RS1/16SS681J	R 1765	(B,20,131)	RS1/16SS101J	
	· / - / - /			· · · · · · · · · · · · · · · · · · ·		_
R 1652	(A,78,107)	RS1/16SS681J	R 1766	(B,24,131)	RS1/16SS223J	
R 1653	(B,96,88)	RS1/16SS473J	R 1767	(B,21,131)	RS1/16SS223J	
R 1655	(B,77,110)	RS1/16SS473J	R 1768	(B,23,131)	RS1/16SS102J	
R 1656	,	RS1/16SS681J	R 1769	,	RS1/16SS102J	
	(A,78,94)			(B,22,131)		
R 1657	(A,76,106)	RS1/16SS473J	R 1770	(B,30,128)	RS1/16SS473J	F
D 4050	(4.70.400)	D04/40004704	D 437.	(D 00 10 1)	D04/40004044	
R 1658	(A,76,108)	RS1/16SS472J	R 1771	(B,29,124)	RS1/16SS101J	
R 1659	(A,76,107)	RS1/16SS473J	R 1772	(B,34,124)	RS1/16SS101J	
R 1660	(B,72,95)	RS1/16SS473J	R 1774	(B,96,101)	RS1/16S473J	
		AVIC	C-N4/XU/UC	1		000
	5	6		7	8	289
	_	Ü		<del></del>	J	_

	Circ	cuit Symbol and No.	Part No.	Circ	euit Symbol and No.	Part No.
	R 1775	(B,124,102)	RS1/16S103J	R 1911	(A,175,70)	RS1/16S122J
	R 1776	(B,125,104)	RS1/4SA271J	R 1913	(B,162,48)	RS1/10S0R0J
Α	R 1777	(B,131,104)	RS1/4SA271J	R 1914	(B,162,46)	RS1/10S0R0J
	R 1778	(B,124,100)	RS1/16S102J	R 1915	(B,168,62)	RS1/16SS471J
	R 1779	(A,115,110)	RS2PMFR47J	R 1916	(A,175,60)	RS1/16S223J
	R 1780	(B,131,100)	RS1/16S103J	R 1918	(B,164,56)	RS1/16SS223J
	R 1781	(A,126,106)	RS1/8S0R0J	R 1919	(B,169,58)	RS1/16SS471J
	R 1782	(A,131,114)	RS1/4SA271J	R 1950	(B,111,86)	RS1/4S471J
-	R 1783	(A,131,109)	RS1/4SA271J	R 1954	(B,150,46)	RS1/16S122J
	R 1784	(A,137,113)	RS1/16S103J	R 2821	(B,45,26)	RS1/16S102J
	R 1785	(A,130,118)	RS1/16S103J	R 2831	(B,45,22)	RS1/16S821J
	R 1786	(A,140,115)	RS1/16S103J	R 2832	(B,45,17)	RS1/16S821J
	R 1787	(A,140,118)	RS1/16S103J	R 2833	(B,41,21)	RS1/16S223J
В	R 1788	(A,136,117)	RS1/16S124J	R 2834	(B,41,17)	RS1/16S223J
_	R 1790	(B,17,114)	RS1/16S0R0J	R 2837	(B,45,15)	RS1/16S821J
	R 1791	(A,56,114)	RS1/16S0R0J	R 2838	(B,45,10)	RS1/16S821J
	R 1793	(B,63,122)	RS1/10S0R0J	R 2839	(B,41,14)	RS1/16S223J
	R 1801	(B,148,61) (EW5)	RS1/16S152J	R 2840	(B,41,10)	RS1/16S223J
	R 1802	(B,145,61) (EW5)	RS1/16S151J	R 2843	(B,45,8)	RS1/16S821J
-	R 1803	(B,147,61) (EW5)	RS1/16S681J	R 2844	(B,45,3)	RS1/16S821J
	R 1806	(B,124,65) (EW5)	RS1/16S0R0J	R 2845	(B,41,8)	RS1/16S223J
	R 1807	(A,141,75) (EW5)	RS1/10S391J	R 2846	(B,41,4)	RS1/16S223J
					( , , ,	
	R 1808	(B,132,60) (EW5)	RS1/16S473J	R 2851	(B,22,33)	RS1/10S103J
	R 1810	(B,119,65) (EW5)	RS1/16S472J	R 2873	(B,23,14)	RS1/16S0R0J
С	R 1821	(A,147,130)	RS1/16S0R0J	R 2886	(B,28,9)	RS1/16S473J
	R 1822	(B,160,123)	RS1/16S333J	R 2887	(B,26,9)	RS1/16S104J
	R 1823	(B,160,121)	RS1/16S203J	R 2888	(B,31,12)	RS1/10S102J
	R 1824	(A,151,123)	RS1/16S822J	R 2892	(B,18,33)	RS1/16S0R0J
	R 1825	(B,150,119)	RS1/16S202J			
	R 1826	(A,147,121)	RS1/16S564J	CAPACIT	ORS	
-	R 1827	(A,147,125)	RS1/16S513J			
	R 1828	(A,146,119)	RS1/16S513J	C 1001	(B,132,13)	CCSRCH101J50
		(/ 1, / 10, / 10)	1101/1000100			
	R 1829	(A,151,125)	RS1/16S102J	C 1002	(B,132,8)	CCSRCH101J50
				C 1003	(B,137,8)	CCSRCH101J50
	R 1830	(B,147,125)	RS1/16S102J	C 1004	(B,137,13)	CCSRCH101J50
D	R 1831	(A,146,127)	RS1/16S104J	C 1005	(B,126,22)	CCSRCH101J50
D	R 1832	(A,134,126)	RS1/16S513J			
	R 1833	(A,133,126)	RS1/16S473J	C 1006	(B,134,22)	CKSRYF104Z25
				C 1007	(B,124,27)	CCSRCH101J50
	R 1834	(A,136,123)	RS1/16S563J	C 1008	(B,133,27)	CKSRYF104Z25
	R 1835	(A,136,126)	RS1/16S104J	C 1009	(B,123,27)	CCSRCH101J50
	R 1841	(B,163,108)	RS1/16S104J	C 1010	(B,132,22)	CKSRYF104Z25
I	R 1843	(A,143,110)	RS1/16S101J	0 1010	(5,102,22)	OROTTI 104220
_	R 1844	(B,163,106)	RS1/16S0R0J	C 1012	(B,128,8)	CCSRCH101J50
		(=,::::)				
	R 1871	(B,171,106)	RS1/10S103J	C 1014	(B,127,13)	CCSRCH101J50
				C 1016	(B,131,27)	CCSRCH101J50
	R 1872	(B,168,105)	RS1/10S103J	C 1018	(B,130,22)	CCSRCH101J50
	R 1873	(B,168,101)	RN1/16SE1001D	C 1020	(B,129,27)	CCSRCH101J50
Е	R 1874	(B,165,101)	RN1/16SE1101D			
_	R 1875	(B,163,97)	RN1/16SE1001D	C 1022	(B,108,41) 10 μF	CCG1203
				C 1023	(B,108,39) 10 μF	CCG1203
	R 1881	(A,164,127)	RS1/4S102J	C 1026	(B,103,41)	CCSRCJ3R0C50
	R 1884	(A,164,114)	RS1/16S0R0J	C 1027	(B,135,27)	CKSRYF104Z25
	R 1886	(A,163,112)	RS1/16S0R0J	C 1031	(B,94,38)	CKSRYB105K10
	R 1892	(B,170,95)	RS1/16S104J	3 7001	(=,0 :,00)	55.11 B 1001(10
	R 1894	(B,170,97)	RS1/16S202J	C 1032	(A,100,41)	CEVW100M16
_		\_,···,/				
	R 1895	(B,168,98)	RS1/16S0R0J	C 1033	(B,98,44)	CKSRYB104K50
	R 1901	• • • •	RS1/16S102J	C 1041	(B,108,45)	CKSRYB105K10
		(B,81,77)		C 1042	(B,108,46)	CKSRYB105K10
	R 1903	(B,83,77)	RS1/16S272J	C 1043	(B,108,48)	CKSRYB105K10
	R 1905	(B,165,35)	RS1/16S153J			
F	R 1906	(B,163,33)	RS1/4S102J	C 1044	(B,108,49)	CKSRYB105K10
-				C 1045	(A,109,46)	CEVW220M16
	R 1907	(A,175,41)	RS1/10S181J	C 1046	(A,104,45)	CEVW100M16
	R 1909	(A,175,45)	RS1/10S181J	C 1101	(B,73,115)	CKSRYB104K50
	R 1910	(B,166,61)	RS1/16SS221J	2 7101	·	2.12.1.2.0.11.00
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Circ	cuit Symbol and No.	Part No.	Circ	uit Symbol and No.	Part No.	
· · · · · · · · · · · · · · · · · · ·			·	<del>-</del>	·	
C 1102	(A,138,108)	CEVW100M16	C 1424	(A,56,86)	CKSRYB103K50	
0.4400	(4.107.101)	05) (14)0001440	0.4400	(D. 00. 440). (E145)	01(00)(0100)(50	
C 1103	(A,137,101)	CEVW220M16	C 1426	(B,88,113) (EW5)	CKSRYB103K50	
C 1106	(B,141,114)	CKSRYB105K10	C 1429	(B,61,103)	CKSRYB103K50	F
C 1107	(B,139,114)	CKSRYB105K10	C 1430	(A,56,77)	CKSRYB104K50	
C 1108	(B,136,114)	CKSRYB105K10	C 1431	(A,59,103)	CEVW100M16	
C 1109	(B,134,114)	CKSRYB105K10	C 1432	(A,34,23) (EW5)	CKSRYB103K50	
	,			, , , , ,		
C 1112	(B,117,116)	CCSRCH471J50	C 1433	(B,49,29) (EW5)	CKSRYB222K50	
C 1113	(B,116,116)	CCSRCH471J50	C 1434	(A,44,24) (EW5)	CKSRYB222K50	
C 1117	(B,107,116)	CKSRYB104K50	C 1435	(B,48,22) (EW5)	CKSRYB222K50	
				, . ,		
C 1118	(B,106,116)	CKSRYB104K50	C 1436	(B,106,101) (EW5)	CKSRYB103K50	
C 1302	(B,93,32)	CKSRYB104K50	C 1437	(B,59,40) (EW5)	CKSRYB103K50	
C 1305	(A,108,25)	CEVW100M16	C 1438	(B,52,40) (EW5)	CKSRYB222K50	
C 1306	(A,108,31)	CEVW220M16	C 1442	(A,53,60)	CEVW331M10	
C 1307	(B,102,34)	CKSRYB104K50	C 1501	(B,87,48)	CKSRYB222K50	I
C 1308	(A,101,25)	CEVW100M16	C 1502	(B,87,46)	CKSRYB222K50	
C 1309	(B,95,33)	CKSRYB105K10	C 1505	(B,81,49)	CKSQYB225K10	
0 1005	(B,55,55)	CROTTIBIOSICIO	0 1909	(0,01,40)	ONOGIBEESINIO	
C 1010	(P. 102.00)	CKSRYB105K10	C 1506	(D.01.46)	CKCOABOOEK40	
C 1310	(B,103,28)		C 1506	(B,81,46)	CKSQYB225K10	
C 1314	(B,88,28) 10 μF	CCG1203	C 1507	(B,74,43)	CKSQYB105K16	
C 1319	(B,104,28)	CKSRYB105K10	C 1508	(B,71,43)	CKSQYB105K16	
C 1320	(B,92,28) 10 µF	CCG1203	C 1509	(B,67,52)	CKSQYB105K16	
C 1321	(B,106,28)	CKSRYB105K10	C 1510	(B,69,52)	CKSQYB105K16	
	,			,		
C 1322	(B,108,28)	CKSRYB105K10	C 1511	(B,68,37)	CKSQYB105K16	
C 1329	(B,100,28)	CCSRCJ3R0C50	C 1512	(B,68,43)	CKSQYB105K16	
C 1331	(B,96,26) 10 μF	CCG1203	C 1513	(A,72,64)	CEVW100M16	(
C 1332	(B,96,24) 10 μF	CCG1203	C 1514	(B,76,43)	CKSQYB105K16	,
C 1334	(B,101,20)	CCSRCH471J50	C 1515	(B,79,43)	CKSQYB105K16	
C 1337	(B,93,20)	CCSRCH471J50	C 1516	(B,83,61)	CKSRYB103K50	
C 1351	(B,80,35)	CKSRYB104K50	C 1517	(A,91,66)	CEVW220M16	
C 1352	(A,80,30)	CEVW100M16	C 1518	(B,83,43)	CKSQYB105K16	
C 1353	(B,74,35)	CKSRYB105K10	C 1519	(B,85,43)	CKSQYB105K16	
C 1354	(A,95,25)	CEVW100M16	C 1520	(B,88,43)	CKSQYB105K16	
0 1004	(71,00,20)	OL V V TOOM TO	0 1020	(5,00,40)	ONOGIBIOONIO	
C 1055	(A OF 21)	CEV/MOODM46	C 1501	(D 01 40)	CKSQYB105K16	
C 1355	(A,95,31)	CEVW220M16	C 1521	(B,91,43)		
C 1357	(B,78,30)	CCSRCJ3R0C50	C 1522	(A,98,45)	CKSQYB105K16	
C 1359	(B,83,25)	CKSRYB105K10	C 1523	(B,87,56)	CKSQYB105K16	
C 1360	(B,83,28)	CKSRYB105K10	C 1524	(A,98,49)	CKSQYB105K16	
C 1361	(B,83,27)	CKSRYB105K10	C 1525	(A,98,47)	CKSQYB105K16	
C 1362	(B,83,23)	CKSRYB105K10	C 1526	(B,87,54)	CKSQYB105K16	
C 1363	(B,72,30) 10 μF	CCG1203	C 1551	(B,76,77)	CKSRYB222K50	
C 1364	(B,72,32) 10 µF	CCG1203	C 1552	(B,71,77)	CKSRYB222K50	
	( ' ' ' '			• • • •		
C 1401	(B,60,109)	CKSQYB225K10	C 1553	(B,67,77)	CKSRYB103K50	
C 1402	(B,61,97)	CKSQYB225K10	C 1554	(A,76,80)	CEVW100M16	
C 1403	(A,26,35) (EW5)	CCSRCH270J50	C 1555	(A,70,80)	CEVW100M16	
C 1404	(B,55,86)	CKSYB475K16	C 1556	(B,63,54)	CCSRCH7R0D50	
C 1405	(B,53,79)	CKSRYB103K50	C 1557	(B,75,70)	CKSRYB104K50	
C 1406	(A,28,35) (EW5)	CCSRCH220J50	C 1558	(B,72,67)	CCSRCJ3R0C50	
C 1407	(B,53,87)	CKSRYB103K50	C 1559	(B,62,50)	CKSRYB104K50	
0 1407	(15,55,67)	OKOTTI DI TOURSO	0 1999	(0,02,30)	OKOITI DIOTKO	E
0 1100	(D. 40.54)	CKCDVD400KE0	0.4500	(4 04 54)	OE)/M404M40	
C 1408	(B,42,51)	CKSRYB103K50	C 1560	(A,61,54)	CEVW101M16	
C 1409	(A,31,33) (EW5)	CCSRCH270J50	C 1561	(A,76,71)	CEVW101M16	
C 1410	(A,51,95)	CEVW470M6R3	C 1562	(A,64,80)	CEVW220M16	
C 1411	(A,53,49)	CEVW331M10	C 1563	(B,62,43)	CKSYB475K16	
C 1412	(A,33,33) (EW5)	CCSRCH330J50	C 1564	(B,69,74)	CKSYB475K16	
	•			-		
C 1413	(A,35,35) (EW5)	CCSRCH470J50	C 1565	(B,64,38)	CKSRYB103K50	
C 1414	(B,42,29) (EW5)	CKSRYB103K50	C 1566	(A,64,38)	CEVW470M16	
C 1415		CKSRYB103K50	C 1567	· · · · /	CKSRYB103K50	
	(A,57,65)			(B,69,68)		
C 1418	(A,54,103)	CEVW100M16	C 1568	(A,69,25)	CEVW330M10	
C 1419	(B,59,39) (EW5)	CKSRYB103K50	C 1569	(A,69,31)	CEVW101M4	
_						
C 1420	(B,55,49) (EW5)	CCSRCH270J50	C 1570	(A,68,70)	CEVW470M16	
C 1421	(A,50,32) (EW5)	CKSRYB103K50	C 1571	(A,62,70)	CEVW330M10	
C 1422	(B,54,45) (EW5)	CCSRCH150J50	C 1572	(A,62,63)	CEVW101M4	
C 1423	(A,51,89)	CEVW220M16	C 1604	(B,96,84)	CKSRYB104K50	
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	Circ	cuit Symbol and No.	Part No.	Cir	cuit Symbol and No.	Part No.
	C 1605	(A,102,82)	CEVW100M16	C 1878	(B,142,92)	CKSRYF104Z25
	C 1606	(A,92,118)	CKSRYB103K50	C 1879	(B,142,88)	CKSRYB474K10
Α	C 1608	(A,99,84)	CKSRYB103K50	C 1880	(A,148,86)	CKSRYB104K50
	C 1610	(A,95,84)	CKSRYB103K50	C 1881	(A,164,131)	CKSRYB104K50
	C 1611	(A,95,119)	CKSRYB222K50	C 1882	(A,144,97)	CEVW470M16
	C 1612	(B,99,86)	CKSRYB104K50	C 1890	(A,172,93)	CKSRYB104K50
	C 1614	(A,95,114)	CKSRYB104K50	C 1892	(B,168,96)	CKSRYB104K50
	C 1616	(B,98,105)	CKSRYB102K50	C 1893	(B,174,103)	CKSRYB103K50
	C 1617	(A,102,102)	CKSRYB104K50	C 1901	(A,143,47)	CEVW101M16
	C 1618 C 1619	(A,97,118) (A,93,111)	CKSRYB104K50 CKSRYB103K50	C 1902 C 1903	(A,122,46) (A,82,83)	CEVW101M16 CKSRYB104K50
		, , ,				
	C 1620	(B,89,113)	CKSRYB102K50	C 1905	(A,121,42)	CKSRYB103K50
ь	C 1621	(A,89,88)	CKSRYB102K50	C 1906	(A,142,42)	CKSRYB103K50
В	C 1622 C 1623	(A,70,95)	CKSRYB104K50 CKSRYB104K50	C 1907 C 1908	(B,165,40) (A,166,40)	CKSRYB103K50 CEVW101M16
	C 1623	(B,81,107) (B,83,101)	CKSRYB104K50	C 1908	(A, 171,51)	CEVW101M16
	C 1625	(A,89,87)	CKSRYB104K50	C 1911	(B,166,59)	CKSRYB104K50
	C 1626	(A,88,113)	CKSRYB104K50	C 1911	(B,169,46)	CKSRYB103K50
_	C 1675	(A,79,120)	CKSRYB104K50	C 1913	(B,167,65)	CKSRYB103K50
	C 1676	(B,82,118)	CCSRCJ3R0C50	C 1914	(B,169,40)	CKSRYB103K50
	C 1677	(B,84,117)	CCSRCJ3R0C50	C 1915	(A,167,62)	CEVW101M16
	C 1678	(B,95,116)	CKSRYB104K50	C 1916	(A,163,48)	CEVW101M16
	C 1679	(A,70,110)	CKSRYB104K50	C 1917	(A,132,46)	CEVW101M16
С	C 1694	(B,81,91)	CCSRCH101J50	C 1918	(A,131,42)	CKSRYB103K50
O	C 1760 C 1761	(B,30,125) 10 μF (B,33,125) 10 μF	CCG1203 CCG1203	C 1920 C 1921	(B,167,68) (B,167,66)	CKSRYB103K50 CKSRYB103K50
					, , ,	
	C 1762	(B,24,128)	CKSRYB105K10	C 1922	(A,174,87)	CKSRYB104K50
	C 1763	(B,23,128)	CKSRYB105K10	C 1923	(A,166,73)	CEVW470M16
_	C 1764 C 1765	(B,21,128) (B,20,128)	CKSRYB105K10 CKSRYB105K10	C 1924 C 1925	(A,170,89) (A,162,94)	CKSRYB103K50 CEVW220M16
	C 1766	(B,29,121)	CKSRYB104K50	C 1950	(A,128,85)	CEVW101M16
	C 1767	(A,22,124)	CEVW220M16	C 1951	(B,109,91)	CKSRYB103K50
	C 1768 C 1769	(A,22,131) (A,63,117) 10 μF	CEVW100M16 CCG1223	C 1952 C 1953	(A,118,92)	CKSRYB103K50 CEVW101M16
	C 1769 C 1770	(B,61,118)	CKSRYB102K50	C 1953	(A,126,95) (A,152,47)	CEVW101M16 CEVW101M16
D	C 1772	(A,130,103) 10 μF	CCG1223	C 1955	(B,153,48)	CKSRYB103K50
	C 1801	(B,150,61) (EW5)	CKSRYB222K50	C 1956	(B,156,42)	CKSRYB103K50
	C 1802	(B,144,59) (EW5)	CKSRYB103K50	C 1957	(A,152,40)	CEVW101M16
	C 1803	(B,144,65) (EW5)	CCSRCH220J50	C 1981	(B,60,90)	CKSRYB104K50
	C 1805	(A,137,77) (EW5)	CEVW100M16	C 1982	(B,66,97)	CKSRYB103K50
	C 1806	(A,134,76) (EW5)	CKSRYB473K50	C 1983	(A,65,92)	CEVW100M16
	C 1807	(A,146,78) (EW5)	CEVW220M16	C 2813	(B,25,17)	CKSRYF104Z25
	C 1808	(B,124,77) (EW5)	CKSRYB103K50	C 2814	(B,20,18)	CKSRYF104Z25
	C 1809	(B,130,66) (EW5)	CKSRYB103K50	C 2822	(A,54,22)	CEVW470M16
	C 1810	(B,134,66) (EW5)	CKSRYB473K50	C 2831	(A,46,19)	CEVW100M25
Е	C 1811	(B,114,66) (EW5)	CKSRYB103K50	C 2832	(A,38,19)	CEVW100M25
	C 1812	(B,119,63) (EW5)	CKSRYB473K50	C 2835	(B,35,20)	CKSRYB102K50
	C 1813	(A,132,76) 10 μF(EW5)	CCG1220	C 2836	(B,35,18)	CKSRYB102K50
	C 1821	(B,158,120)	CKSRYB823K16	C 2837	(A,46,12)	CEVW100M25
	C 1822 C 1823	(A,142,130) (B,156,120)	CKSRYB104K50 CKSRYB103K50	C 2838 C 2841	(A,38,12) (B,35,13)	CEVW100M25 CKSRYB102K50
	C 1824	(A,147,123)	CKSRYB104K50	C 2842	(B,35,12)	CKSRYB102K50
	C 1825	(A,148,127)	CKSRYB102K50	C 2843	(A,46,6)	CEVW100M25
	C 1868 C 1869	(B,171,118) (A 166 114)	CKSRYB104K50 CKSRYB334K10	C 2844 C 2847	(A,38,6)	CEVW100M25 CKSRYB102K50
	C 1869 C 1872	(A,166,114) (A,144,86)	CKSRYB104K50	C 2847 C 2848	(B,35,6) (B,35,5)	CKSRYB102K50 CKSRYB102K50
F						
	C 1873	(A,144,85)	CKSRYB334K10	C 2851	(B,20,33)	CKSRYF103Z50
	C 1874 C 1876	(A,148,114) (A,153,88)	CKSRYF103Z50 CEVW470M16	C 2886 C 2887	(B,27,12)	CKSRYF104Z25 CKSRYF104Z25
	C 1876 C 1877	(A, 153,88) (B,141,88)	CKSRYB104K50	C 2007	(B,26,21)	UNUN I F 104220
	292		AVIC-	N4/XU/UC		
	_0_	1 -	2		3	4

5 Circuit Symbol and No. Part No. Circuit Symbol and No. Part No. Unit Number: CXX2316 Unit Number: CWX3401 Unit Name : Main PCB Unit(SERVICE) **Unit Name** : DVD Core Unit **MISCELLANEOUS MISCELLANEOUS** IC 101 Regulator BA00CC0WFP IC 1001 (B,79,55) IC BD9851EFV IC 102 IC BA6247FP IC 1003 (B,72,42) IC S-80859CNNB-B9K IC 103 Photo-interrupter GP2L24B IC 1004 (B,75,48) Regulator IC NJM2880U1-05 IC 104 TC7W14FU IC 1005 (B,61,58) IC S-L2980A50MC-C7J IC 105 Photo-interrupter GP2L24B IC 1201 (A,26,15) IC BD7996EFV DTC124EUA Q 101 Chip Transistor IC 1301 (B,90,27) IC TC7SZ125FU D 101 Diode UDZS5R6(B) IC 1351 (B,86,27) IC TC7SZ08FU IC 1352 (B,79,14) IC TC74LCX16373FT В IC 1401 (B,61,32) Flash ROM Unit CWW1430 **RESISTORS** IC 1402 (B,37,10) Flash ROM Unit CWW1431 R 101 RS1/16S102J IC 1403 (B,47,29) IC TC7SZ32FU R 102 RS1/16S3302D IC 1481 (B,60,12) IC EDS1232AATA-75 R 103 RS1/16S3900D IC 1501 (A,60,19) IC MN2DS0016AAUB R 104 RS1/16S4701D IC 1801 (A,70,53) D/A Converter PCM1753DBQ R 105 RS1/16S471J (B,77,67) FET Q 1001 RSQ030P03 R 106 RS1/16S102J Q 1003 (B,85,67) FET QS5U27 R 107 RS1/16S102J Q 1101 (B,62,50) Transistor 2SC4081 R 108 RS1/16S102J Q 1102 (B,68,50) Transistor 2SC4081 R 109 RS1/16S102J (B,60,45) Transistor С Q 1103 2SB1260 R 110 RS1/16S102J Q 1104 (B,67,45) Transistor 2SB1260 R 111 RS1/16S562J D 1001 (B,80,64) Chip Diode RB050L-40 R 112 RS1/16S102J D 1002 (A,89,67) Diode 1SR154-400 R 113 RS1/16S102J D 1301 (B,13,10) Chip LED CL205IRXTU RS1/16S102J R 114 (B,73,62) Inductor CTF1678 L 1001 R 115 RS1/16S562J L 1002 (B,83,72) Inductor CTF1677 R 116 RS1/16S102J (B,86,62) Inductor CTF1681 I 1003 R 117 RS1/16S472J L 1004 (B,63,60) Inductor CTF1558 L 1005 (B,81,49) Inductor CTF1558 **CAPACITORS** L 1101 (B,66,54) Inductor CTF1305 L 1482 (B,77,29) Inductor CTF1473 D C 101 CKSYB475K16 C 102 CKSYB475K16 L 1502 (A,71,47) Inductor CTF1378 C 103 CKSRYB104K16 L 1503 (A,60,47) Inductor CTF1487 C 104 CKSRYB104K16 L 1504 (A,35,10) Inductor CTF1387 C 105 CKSRYB223K16 L 1511 (A,63,3) Inductor CTF1680 L 1601 (A,41,23) Inductor CTF1473 C 106 CKSRYB104K16 C 107 CKSRYB223K16 L 1602 (A,55,42) Inductor CTF1473 CEVW101M16 C 108 L 1603 (A,54,42) Inductor CTF1473 C 109 CKSRYB104K16 (A,52,42) Inductor CTF1473 L 1604 C 110 CCSRCH102J50 L 1605 (A,38,32) Inductor CTF1395 L 1671 (A,41,19) Inductor CTF1473 C 111 CCSRCH102J50 Ε (A,41,20) Inductor CTF1473 L 1672 L 1673 (A,41,21) Inductor CTF1473 L 1801 (A,70,61) Inductor CTF1473 Unit Number: CZW5029 L 1901 (A,91,73) Inductor CTF1487 **Unit Name** : Switch PCB Unit L 1902 (A,91,62) Inductor CTF1558 X 1501 (A,40,16) Clystal 27.000 MHz CSS1714 S 101 Switch(Angle SW) CSN1068 (A,35,20) Semi-fixed 10 kohm(B) CCP1448 VR1671 EF1501 (A,68,47) Chip EMI Filter DTL1106

Unit Number: CZW5028

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VR101

**Unit Name** : Volume PCB Unit

Volume(Angle sense)

CCW1025

6

**RESISTORS** 

(A,61,45) Chip EMI Filter

(A,87,74) Chip EMI Filter

(A,91,65) Chip EMI Filter

DTL1106

DTF1106

DTL1106

EF1502

EF1901

EF1903

AVIC-N4/XU/UC

	Circ	cuit Symbol and No.	Part No.	Cir	cuit Symbol and No.	Part No.
			RS1/16SS101J	·	<u>-</u>	RS1/16SS391J
	R 1001	(B,70,55)		R 1301	(B,14,14)	
	R 1002	(B,72,51)	RS1/16SS103J	R 1302	(B,16,14)	RS1/16SS471J
	R 1003	(B,72,55)	RS1/16SS122J	R 1304	(B,87,23)	RS1/16SS563J
Α	R 1005	(B,72,52)	RS1/16SS153J	R 1305	(B,86,23)	RS1/16SS243J
	R 1006	(B,73,54)	RS1/16SS471J	R 1306	(B,85,23)	RS1/16SS683J
	R 1007	(B,73,55)	RS1/16SS8201D	R 1307	(B,88,23)	RS1/16SS243J
	R 1008	(B,70,56)	RS1/16SS4702D	R 1314	(B,86,21)	RAB4CQ822J
	R 1009	(B,72,56)	RS1/16SS561J	R 1351	(B,84,25)	RS1/16SS331J
	R 1010	(B,74,51)	RS1/16SS472J	R 1401	(B,72,33)	RS1/16SS221J
	R 1010	(B,72,40)	RS1/16SS104J	R 1401	(B,50,27)	RS1/16SS104J
	D 1010	(D.07.54)	D04/40000001	D 1105	(D. 40.40)	RS1/16SS221J
	R 1013	(B,87,54)	RS1/16SS682J	R 1405	(B,48,10)	
	R 1017	(B,88,54)	RS1/16SS1002D	R 1406	(B,26,4)	RS1/16SS104J
	R 1018	(B,88,53)	RS1/16SS472J	R 1407	(B,26,6)	RS1/16SS104J
_	R 1019	(B,87,53)	RS1/16SS2202D	R 1410	(B,47,32)	RS1/16SS104J
В	R 1020	(B,87,52)	RS1/16SS102J	R 1501	(B,71,3)	RAB4CQ560J
	R 1021	(B,87,51)	RS1/16SS101J	R 1503	(A,72,3)	RS1/16SS560J
	R 1026	(B,78,61)	RS1/16SS100J	R 1505	(B,68,3)	RAB4CQ560J
	R 1027	(B,77,61)	RS1/16SS100J	R 1507	(B,65,3)	RAB4CQ560J
	R 1101	(B,63,53)	RS1/16SS391J	R 1512	(B,59,3)	RAB4CQ560J
	R 1102	(B,63,47)	RS1/16SS511J	R 1513	(A,44,4)	RS1/16SS102J
_	R 1103	(B,67,53)	RS1/16SS391J	R 1515	(A,43,3)	RS1/16SS102J
	R 1104	(B,69,47)	RS1/16SS561J	R 1520	(A,35,8)	RS1/16SS221J
	R 1104 R 1107	(B,61,53)	RS1/16SS6R8J	R 1521	(A,41,12)	RAB4CQ101J
	R 1108	(B,65,53)	RS1/16SS6R8J	R 1522	(B,56,3)	RAB4CQ560J
С	R 1109	(B,58,41)	RS1/10S1R5J	R 1523	(A,39,11)	RS1/16SS101J
	R 1110	(B,63,41)	RS1/10S1R5J	R 1524	(A,39,13)	RS1/16SS101J
	R 1111	(B,70,41)	RS1/10S1R5J	R 1525	(B,53,3)	RAB4CQ560J
	R 1112	(B,65,41)	RS1/10S1R5J	R 1526	(A,36,11)	RS1/16SS270J
		, , , ,				
	R 1113	(B,61,41)	RS1/10S1R5J	R 1528	(A,43,14)	RS1/16SS101J
	R 1114	(B,59,41)	RS1/10S1R5J	R 1529	(B,54,22)	RAB4CQ560J
	R 1115	(B,66,41)	RS1/10S1R5J	R 1530	(A,43,15)	RS1/16SS105J
	R 1116	(B,68,41)	RS1/10S1R5J	R 1531	(B,50,22)	RAB4CQ560J
	R 1117	(B,64,49)	RS1/16SS104J	R 1532	(A,77,23)	RS1/16SS103J
	R 1118	(B,70,49)	RS1/16SS104J	R 1533	(A,76,27)	RS1/16SS103J
	R 1202	(A,19,12)	RS1/16SS221J	R 1534	(A,77,26)	RS1/16SS103J
Б.		,			, , , , ,	
D	R 1203	(A,19,11)	RS1/16SS221J	R 1535	(A,63,36)	RS1/16SS221J
	R 1210	(A,30,27)	RS1/16SS101J	R 1537	(A,67,41)	RS1/16SS221J
	R 1211	(B,26,18)	RS1/16SS3R9J	R 1538	(A,66,41)	RS1/16SS221J
	R 1212	(B,27,18)	RS1/16SS3R9J	R 1540	(A,71,44)	RS1/16SS102J
	R 1214	(B,28,18)	RS1/16SS3R9J	R 1541	(A,64,41)	RS1/16SS472J
	R 1215	(B,29,18)	RS1/16SS3R9J	R 1542	(A,60,36)	RS1/16SS223J
_	R 1216	(B,30,18)	RS1/16SS3R9J	R 1543	(A,59,38)	RS1/16SS332J
	R 1217	(B,31,18)	RS1/16SS3R9J	R 1544	(A,57,41)	RS1/16SS183J
	R 1219	(A,20,27)	RS1/16SS101J	R 1545	(A,61,36)	RS1/16SS223J
	R 1223	(A,19,4)	RS1/16SS753J	R 1546	(A,59,42)	RS1/16SS104J
	D 1005	(A 10 7)	RS1/16SS753J	D 1547	(A 50 41)	RS1/16SS473J
Е	R 1225	(A,19,7)		R 1547	(A,59,41)	
	R 1227	(B,13,21)	RS1/16SS3R9J	R 1548	(A,59,36)	RS1/16SS104J
	R 1228	(B,14,21)	RS1/16SS3R9J	R 1554	(A,60,40)	RS1/16SS221J
	R 1229	(B,15,21)	RS1/16SS3R9J	R 1555	(A,58,38)	RS1/16SS221J
	R 1230	(B,16,21)	RS1/16SS3R9J	R 1556	(A,43,8)	RS1/16SS104J
_	R 1231	(B,17,21)	RS1/16SS3R9J	R 1557	(A,57,40)	RS1/16SS104J
	R 1232	(B,18,21)	RS1/16SS3R9J	R 1559	(A,63,41)	RS1/16SS221J
	R 1233	(B,19,21)	RS1/16SS3R9J	R 1560	(A,68,42)	RAB4CQ104J
	R 1234	(B,20,21)	RS1/16SS3R9J	R 1562	(A,64,38)	RAB4CQ104J
	R 1240	(B,32,18)	RS1/16SS3R9J	R 1565	(A,73,36)	RS1/16SS103J
	R 1241	(B,33,18)	RS1/16SS3R9J	R 1566	(A,72,36)	RS1/16SS103J
	R 1242	(B,34,18)	RS1/16SS3R9J	R 1567	(B,68,22)	RAB4CQ560J
F	R 1242	(B,38,18)	RS1/16SS3R9J	R 1568	(B,65,22)	RAB4CQ560J
		, , , ,				
	R 1244	(B,36,18)	RS1/16SS3R9J	R 1569	(B,62,3)	RAB4CQ560J
	R 1245	(B,35,18)	RS1/16SS3R9J	R 1570	(B,60,22)	RAB4CQ560J

AVIC-N4/XU/UC

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<u>Cir</u>	cuit Symbol and No.	<u>Part No.</u>	<u>Cir</u>	cuit Symbol and No.	<u>Part No.</u>		
R 1571	(B,57,22)	RAB4CQ560J	C 1009	(B,82,67) 10 μF	CCG1192		
R 1572	(A,47,3)	RS1/16SS103J	C 1010	(B,85,54)	CKSSYB222K50		
R 1573	(B,63,20)	RS1/16SS560J					
R 1582	(A,82,26)	RS1/16SS103J	C 1011	(B,84,51)	CKSSYB104K10		Α
R 1583	(A,82,28)	RS1/16SS103J	C 1012	(B,84,58)	CKSSYB104K10		
	(* ',-=,')		C 1014	(B,85,52)	CKSRYB105K10		
R 1584	(A,77,28)	RS1/16SS103J	C 1015	(B,81,61) 10 μF	CCG1171		
R 1601	(A,41,25)	RS1/16SS123J	C 1016	(B,86,57)	CKSRYB472K50		
R 1602	,	RS1/16SS123J	0 1010	(0,00,07)	CN3H1D4/2N30		
	(A,39,24)		0 1017	(D.00.50)	OKCONDCO4KEO		
R 1607	(A,41,27)	RS1/16SS105J	C 1017	(B,88,52)	CKSSYB681K50		
R 1609	(A,37,29)	RN1/16SE1002D	C 1018	(B,81,60) 10 μF	CCG1171		
			C 1019	(B,58,59)	CCSSCH101J50		
R 1610	(A,43,29)	RS1/16SS222J	C 1020	(B,58,57)	CKSSYB104K10		
R 1613	(A,39,29)	RS1/16SS223J	C 1021	(B,60,60)	CKSRYB105K10		
R 1614	(A,46,36)	RS1/16SS105J					
R 1615	(A,43,33)	RS1/16SS105J	C 1022	(B,79,47)	CKSSYB103K16		
R 1616	(A,53,36)	RS1/16SS2002D	C 1023	(B,79,49)	CKSSYB104K10		В
	,		C 1024	(B,71,48)	CKSQYB475K10		
R 1672	(A,43,21)	RS1/16SS303J	C 1025	(B,64,58)	CKSRYB105K10		
R 1673	(A,38,22)	RS1/16SS183J	C 1029	(B,70,54)	CKSSYB104K10		
R 1674	,	RS1/16SS562J	0 1029	(0,70,04)	01/00101041/10		
	(A,34,23)		0.4000	/D 99 E4\	OKCOND404K40		
R 1705	(A,55,57)	RS1/16SS0R0J	C 1030	(B,88,51)	CKSSYB104K10		
R 1706	(A,52,57)	RS1/16SS201J	C 1031	(B,86,55)	CKSRYB474K10		
			C 1101	(B,61,54) 10 μF	CCG1192		_
R 1707	(A,55,51)	RS1/16SS0R0J	C 1102	(B,59,50) 100 μF	CCG1232		
R 1708	(A,52,50)	RS1/16SS201J	C 1103	(B,65,50) 100 μF	CCG1232		
R 1715	(A,60,56)	RS1/16SS201J		•			
R 1716	(A,63,57)	RS1/16SS0R0J	C 1104	(B,63,44)	CKSSYB104K10		
R 1719	(A,60,50)	RS1/16SS201J	C 1105	(B,70,44)	CKSSYB104K10		
	(71,00,00)	1101/10002010	C 1106	(B,63,46)	CKSSYB103K16		С
R 1720	(A,63,51)	RS1/16SS0R0J	C 1107	(B,70,45)	CKSSYB103K16		
	, , ,			, , ,			
R 1803	(A,72,56)	RS1/16SS821J	C 1108	(A,35,36)	CKSSYB103K16		
R 1804	(A,74,56)	RS1/16SS821J		(* 0)	01/05//5/05//5		
R 1805	(A,72,62)	RS1/16SS104J	C 1109	(A,36,34)	CKSRYB105K10		
R 1806	(A,74,62)	RS1/16SS104J	C 1110	(A,35,37)	CKSSYB103K16		
			C 1111	(A,39,34)	CKSRYB105K10		
R 1903	(A,89,52)	RS1/16SS0R0J	C 1201	(B,21,11)	CEVW101M16		
R 2001	(A,77,8)	RS1/16SS820J	C 1202	(B,15,17)	CKSYB475K16		
R 2003	(A,78,12)	RS1/16SS820J					
R 2004	(A,77,14)	RS1/16SS820J	C 1207	(B,16,11)	CKSQYB225K10		
R 2005	(A,77,17)	RS1/16SS220J	C 1209	(A,32,17)	CKSSYB104K10		
2000	(,,,,,,,,,	1101/10002200	C 1210	(A,32,19)	CKSSYB471K50		
R 2006	(A,81,31)	RS1/16SS101J	C 1211	(A,19,17)	CKSSYB103K16		D
		RAB4CQ820J	C 1212	(A,19,8)	CKSSYB104K10		
R 2007	(A,80,7)		0 1212	(A, 19,0)	CN3310104N10		
R 2009	(A,80,11)	RAB4CQ330J	0.4040	(4.40.40)	01/00//04041/40		
R 2010	(A,80,14)	RAB4CQ330J	C 1213	(A,19,10)	CKSSYB104K10		
R 2011	(A,80,19)	RAB4CQ330J	C 1301	(B,90,25)	CKSSYB104K10		
			C 1302	(B,88,25)	CKSSYB104K10		
R 2012	(A,80,22)	RAB4CQ330J	C 1351	(B,86,25)	CKSSYB104K10		
R 2014	(A,85,3)	RS1/16SS103J	C 1352	(B,76,19)	CKSSYB104K10		-
R 2015	(A,77,19)	RS1/16SS103J		,			
R 2017	(A,78,7)	RS1/16SS103J	C 1353	(B,81,19)	CKSSYB104K10		
R 2018	(A,87,4)	RS1/16SS103J	C 1354	(B,74,8)	CKSSYB104K10		
2010	(11,01,7)	110 1, 1000 1000	C 1354	(B,86,8)	CKSSYB104K10		
D 0010	/A 95 5\	D01/16001001					
R 2019	(A,85,5)	RS1/16SS103J	C 1356	(B,84,28)	CKSYB106K6R3		Ε
R 2020	(A,89,4)	RS1/16SS103J	C 1401	(B,72,31)	CKSSYB103K16		_
R 2021	(A,76,9)	RS1/16SS220J					
R 2022	(A,77,9)	RS1/16SS820J	C 1402	(B,49,33)	CKSSYB104K10		
R 2023	(A,78,9)	RS1/16SS220J	C 1403	(B,81,27)	CKSQYB475K6R3		
			C 1405	(B,48,8)	CKSSYB103K16		
CAPACI	TORS		C 1406	(B,26,15)	CKSSYB104K10		
	· · · ·		C 1407	(B,74,27)	CKSQYB475K6R3		
C 1001	(P.69.60) 10	0001171	5 1101	\-,··,-/	22		_
C 1001	(B,68,60) 10 µF	CCG1171	C 1408	(B,47,27)	CKSSYB104K10		
C 1002	(B,68,59) 10 μF	CCG1171	C 1481	,	CKSSYB104K10		
C 1003	(B,73,57)	CKSRYB103K50		(B,73,5)			
C 1004	(B,72,54)	CKSSYB681K50	C 1482	(B,73,8)	CKSSYB104K10		
C 1005	(B,73,56)	CKSSYB103K16	C 1483	(B,67,5)	CKSSYB104K10		
			C 1484	(B,63,5)	CKSSYB104K10		F
C 1006	(B,74,52)	CCSSCH820J50					-
C 1007	(B,75,57)	CKSSYB104K10	C 1485	(B,56,5)	CKSSYB104K10		
C 1008	(B,80,67) 10 μF	CCG1192	C 1486	(B,53,5)	CKSSYB104K10		
000	(=,00,07) 10 μ1	333.102	C 1487	(B,51,5)	CKSSYB104K10		
			VIC-N4/XU/UC			295	
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	Circ	uit Symbol and No.	Part No.		cuit Symbol and No.	Part No.
	C 1488	(B,49,5)	CKSSYB104K10	C 1616	(A,48,36)	CKSSYB104K10
	C 1490	(B,68,20)	CKSSYB104K10	C 1617	(A,49,38)	CKSSYB104K10
Α	C 1491	(B,77,27)	CKSQYB106K6R3	C 1618	(A,51,38)	CKSSYB104K10
	C 1492	(B,55,20)	CKSSYB104K10	C 1619	(A,51,36)	CKSSYB104K10
	C 1493	(B,52,20)	CKSSYB104K10	C 1620	(A,50,36)	CKSSYB104K10
	C 1494	(B,65,20)	CKSSYB104K10	C 1621	(A,50,38)	CKSSYB104K10
	C 1496	(B,65,5)	CKSSYB102K50	C 1622	(A,53,38)	CKSSYB104K10
	C 1497	(B,61,20)	CKSSYB102K50	C 1623	(A,52,39)	CKSSYB104K10
_	C 1498	(B,77,26)	CKSSYB102K50	C 1624	(A,43,28)	CKSSYB103K16
	C 1499	(B,49,4)	CKSSYB102K50	C 1625	(A,56,36)	CKSSYB104K10
	C 1501	(A,68,45)	CKSQYB106K6R3	C 1626	(A,41,31)	CKSRYB105K10
	C 1502	(A,58,44)	CKSQYB106K6R3	C 1627	(A,43,23)	CKSSYB104K10
	C 1503	(A,55,3)	CKSSYB104K10	C 1628	(A,54,36)	CKSSYB104K10
В	C 1504	(A,58,3)	CKSSYB104K10	C 1629	(A,49,36)	CKSSYB104K10
	C 1505	(A,53,3)	CKSSYB104K10	C 1630	(A,38,30)	CKSQYB106K6R3
	C 1506	(A,60,3)	CKSSYB104K10	C 1671	(A,43,18)	CKSSYB104K10
	C 1507	(A,68,3)	CKSSYB104K10	C 1672	(A,43,19)	CKSSYB104K10
	C 1508	(A,65,3)	CKSSYB104K10	C 1673	(A,38,21)	CKSSYB104K10
	C 1509	(A,70,3)	CKSSYB104K10	C 1674	(A,39,22)	CKSSYB104K10
	C 1510	(A,43,11)	CKSSYB104K10	C 1675	(A,39,19)	CKSRYB105K10
	C 1511	(A,77,7)	CKSSYB104K10	C 1676	(A,38,19)	CKSRYB105K10
	C 1512	(A,76,11)	CKSSYB104K10	C 1677	(A,43,22)	CKSSYB104K10
	C 1513	(A,43,10)	CKSSYB104K10	C 1801	(A,75,52)	CKSSYB104K10
С	C 1514 C 1515	(A,76,17) (A,43,16)	CKSSYB104K10 CKSSYB104K10	C 1802 C 1803	(A,67,58) 10 μF (A,67,56)	CCG1192 CKSSYB104K10
Ū	C 1515	(A,76,15)	CKSSYB104K10	C 1803	(A,70,58) 10 μF	CCG1192
	C 1517	(A,43,17)	CKSSYB104K10	C 1805	(A,70,56) 10 μ1 (A,70,56)	CKSSYB104K10
					, , ,	
	C 1518	(A,37,15)	CCSSCH8R0D50	C 1808	(A,72,57)	CCSRCH182J50
	C 1519	(A,37,16)	CCSSCH8R0D50	C 1809	(A,75,57)	CCSRCH182J50
	C 1520 C 1521	(A,49,3) (A,76,24)	CCSSCH181J25	C 1810 C 1811	(A,72,59)	CKSQYB475K6R3 CKSQYB475K6R3
	C 1521 C 1522	(A,76,24) (A,77,24)	CKSSYB104K10 CKSSYB104K10	C 1901	(A,74,59) (A,84,74)	CKSSYB102K50
	0 1022		0100111041110		(17,04,74)	01.001101021.00
	C 1523	(A,58,36)	CKSSYB104K10			
	C 1524	(A,58,37)	CKSSYB103K16			
D	C 1525	(A,66,36)	CKSSYB104K10		mber: CWX3154	
	C 1526 C 1527	(A,62,40)	CKSSYB103K16 CKSSYB471K50	Unit Na	me : Compound	l Unit(A)
	C 1527	(A,63,35)	CK331B471K30	0.4000	Disability of the second states	ODTOGLOCTO
	C 1528	(A,65,36)	CKSSYB104K10	Q 1299 S 1201	Photo-taransistor Spring Switch(12cm)	CPT231SCTD CSN1069
	C 1529	(A,60,38)	CKSSYB103K16	S 1201 S 1202	Spring Switch(8cm)	CSN1069 CSN1069
	C 1530	(A,59,40)	CKSSYB224K6R3	S 1203	Spring Switch(DISC SENS)	
	C 1531	(A,57,42)	CKSSYB123K16	S 1204	Spring Switch(DISC SENS)	
	C 1536	(A,76,20)	CKSSYB104K10	0.4005	, ,	
	C 1537	(A,55,44)	CKSSYB102K50	S 1205 R 1298	Spring Switch(8cm)	CSN1070 RS1/16S0R0J
	C 1538	(A,53,44)	CKSSYB102K50	R 1298 R 1299		RS1/16S0R0J
	C 1539	(A,57,36)	CKSSYB104K10	11 1255		1101/10001100
Е	C 1540	(A,61,38)	CKSSYB103K16			
	C 1560	(A,51,3)	CKSSYB104K10			
	C 1577	(A,77,31)	CKSSYB104K10		mber: CWX3394	
	C 1601	(A,41,24)	CCSSCH101J50	Unit Na	me : Compound	l Unit(B)
	C 1602	(A,43,24)	CCSSCH101J50			
	C 1603	(A,38,23)	CCSSCH680J50	S 1206	Switch(CLAMP)	CSN1067
-	C 1604	(A,39,25)	CCSSCH680J50	Miscolla	aneous Parts List	
	C 1608	(A,41,26)	CKSSYB103K16	wiiscella	ancous rails List	
	C 1609	(A,43,27)	CKSSYB103K16		Pickup Unit/Service)	CXX2118
	C 1610	(A,53,39)	CCSSCH101J50	M 1	Pickup Unit(Service) Motor Unit(LOADING)	CXX2118 CXC4912
	C 1611	(A,54,38)	CKSSYB562K25	M 2	Motor(STEPPING)	CXM1364
F	C 1612	(A,55,36)	CKSSYB224K6R3	M 3	Motor(SPINDLE)	CXM1362
	C 1613	(A,55,38)	CKSSYB224K6R3			
	C 1614	(A,56,38)	CKSSYB333K16			
	C 1615	(A,41,30)	CKSRYB105K10			
,	906		AVIC-N4/XU	J/UC		
<b>•</b> 2	296	1 -	2		3	4

# Pioneer sound.vision.soul

# Service Manual

ORDER NO. CRT3896

**DVD MECHANISM MODULE(MS5)** 

CX-3212

- This service manual describes the operation of the DVD mechanism module incorporated in models listed in the table below.
- When performing repairs use this manual together with the specific manual for model under repair.

Model	Service manual	DVD Mechanism Module
AVIC-D3/XU/UC	CRT3879	CXK6601
AVIC-D3/XU/EW5		

# **CONTENTS**

1. CIRCUIT DESCRIPTIONS	2
2. MECHANISM DESCRIPTIONS	
3 DISASSEMBLY	2/

## 1. CIRCUIT DESCRIPTIONS

#### 1. Front end section (MN2DS0016AAUB: IC1501)

MN2DS0016AAUB is a 1 chip LSI for DVD-Player. A DVD-Player system can be constructed by connecting this LSI, driver IC, SDRAM, Flash-ROM, Audio-DAC, etc.

This LSI includes a front end (SODC/FE) which executes RF signal processing, servo processing and decode processing, a back end (AV decoder/BE) which executes video decode processing such as MPEG1/MPEG2/JPEG and audio decode processing such as DVD-Audio/Dolby Digital 2/DTS/MP3, and a system controller which controls

The front end section realizes optical head signal computation processing and RF signal processing, digital signal processing (16-8 demodulation, error correction) for DVD-ROM playback according to the DVD specifications, digital signal processing of CD-DA/CD-ROM (error correction), AV decoder transfer, servo control, spindle motor control and seek control.

In the case of MN2DS0016AAUB, the front end servo system waveforms, such as FE, TE and AS, are not observed as in the case of DVD mechanism module (MS4) CX-3183. Please pay attention.

#### 1.1 Analog block (MN2DS0016AAUB : IC1501)

The functions of the analog block are as described below.

- 1. Reference power circuit
- 2. SERVO system/DPD system signal processing circuit Gain switching amplifier and Low Pass Filter (LPF)
- 3. RF signal processing circuit RF adding circuit, circuit to make inline, Variable Gain Amplifier (VGA) circuit
- 4. Laser power control (LPC) circuit
- 5. A/D converter for SERVO (10 bit, DPD system-4ch), PWM

#### 1.1.1 APC circuit

The optical output of the laser diode (LD) has a large negative temperature characteristic.

Therefore, if the LD is driven by a constant current, a constant optical output cannot be obtained.

APC circuit is a circuit to control the current so that the output at the monitor diode (MD) will be constant.

MN2DS0016AAUB includes 2 types of APC circuit, one for DVD and the other for CD.

The LD current can be obtained by dividing the measured voltage between DVDLD1 (CDLD1) and 5 V by 6  $\Omega$  $(1.5 \Omega \times 4=6 \Omega)$ , in the case of DVD (CD), It will be approximately 50 mA (45 mA) in the case of DVD (CD).

The potential difference between DVDLD1(CDLD1) and 5 V is set to approx. 300 mV(270 mV).

CN1101 1.5 Ω1.5 Ω1.5 Ω1.5 Ω CDLD1 78 LD CDLDO 14 CDMPD 78 MD 1.5 Ω1.5 Ω1.5 Ω1.5 Ω **DVN** Chip DVDLD1 (MN2DS0016AAUB: IC1501) 25 65 LD DVDLD0 15 DVDMPD **PU UNIT** 

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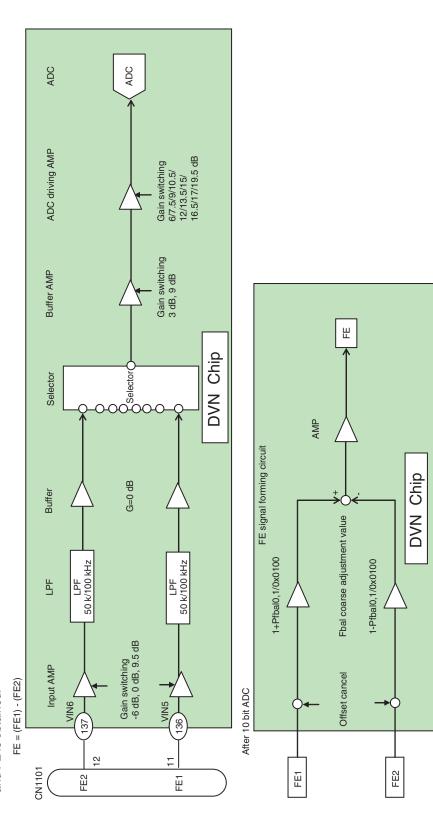
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# 1.1.2 FE forming circuit Focus error (FE) forming circuit

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The signal from PU, FE1 and FE2, are AD converted inside IC1501 and captured. After that, a differential is obtained by taking the offset cancellation into consideration, and FE is obtained.

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1.1.3 TE forming circuit

racking error (TE) forming circuit

In the case of a CD, 3 beam method is used, and after entering the signal into a variable amplifier for tracking offset adjustment via an external resistor, it is AD converted, In the case of a DVD, the phase difference method is used for TE forming, and the TE is formed from the phase difference among (A+C) and (B+D). and a TE is formed by the equation of  $TE=(E+G\_E+F)-(F+H\_G+H)$ .

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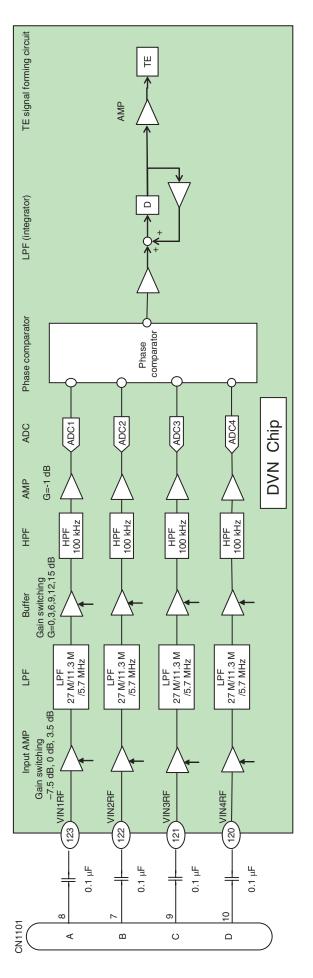
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DVD (phase difference TE)



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Gain switching 3 dB, 9 dB |Selector Q Chip Selector DVN G=0 dB Buffer LPF 50 k/100 kHz LPF 50 k/100 kHz LPF Gain switching -6 dB, 0 dB, 9.5 dB Input AMP VINIO 134 135 F+H\_G+H 21 22 E+G\_E+F CN1101

· CD (3 beam TE)

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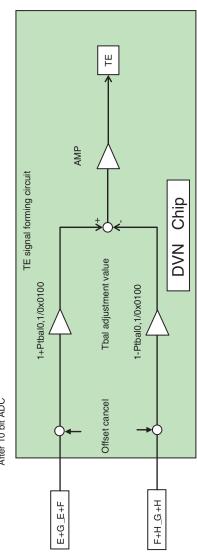
ADC

Gain switching 6/7.5/9/10.5/ 12/13.5/15/ 16.5/17/19.5 dB

ADC

AMP

**Buffer AMP** 



After 10 bit ADC

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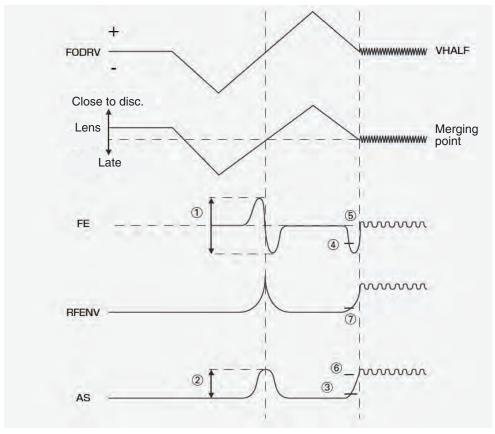
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#### 1.2 Servo block (MN2DS0016AAUB : IC1501)

At the servo block, focusing, tracking, servo control of traverse, spindle motor control and seek control are performed.

#### 1.2.1 Focus close



After issuing the focus close command, both the DVD and the CD will perform the following processing.

- 1. Measurement and optimization of the signal level.
  - First the PU lens is driven in the direction getting away from the disc, then it is driven in the direction getting close to the disc. At this time, each signal level of FE, AS and RFENV are measured at the focused focal point that the lens passes, and the levels of FE and AS are optimized. (1 and 2 in the figure)
- 2. Focus adjustment

Next, after detecting the drawing level of FE and AS by driving the lens away from the disc, the focus loop filter is activated and the focus is drawn. (3~6)

- 3. Confirmation of adjustment
  - Confirm the drawing at the signal level of AS and RFENV. (6, 7)
  - The signal levels of FE, AS and RFENV and the focus drive voltage can be checked by the focus search in the test mode.

#### 1.2.2 Tracking close

After issuing the tracking close command, both the DVD and the CD will perform the following processing.

- 1. Tracking brake
  - 1/2 cycle of the track cross is measured and if the cycle is within the specified range, the brake pulse is output. The output direction of the brake pulse is determined by the phase relationship of the OFTR and the TKC (binary signal of TE) signals. When it is confirmed that the swinging of the lens against the disc has been controlled, braking will be stopped and enters into drawing. If the drawing conditions are not met within 10 msec, after the brake output, the brake will be ended and entered into drawing.
- 2. Tracking adjustment
  - Tracking drive hold processing by the OFTR signal will be performed.
- 3. Confirmation of adjustment
  - Checking is made that the number of track jumps within the specified period of time are at the designated numbers or less. The time out for confirmation of adjustment is 8.4 msec. and retry is performed by the command from the microcomputer.

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In this system, one of the three methods, interval jump, multi jump or traverse seek, is selected depending on the number of target moving tracks.

#### 1. Interval jump

Detailed seek can be performed to execute repeated track jump of 1 track, and it is used when the target track gets close or at the time of seek operation to the adjacent track.

#### 2. Multi jump

Both edges of the track cross signal TKC are counted, and track count move of the designated number is executed. Furthermore, the stepping motor is driven according to the number of jumps.

#### 3 Traverse seek

The stepping motor is controlled by F/W. Track count by TKC is not performed, and the stepping motor is moved according to the number of jumps. In the case of a DVD, seek is performed by maintaining the pick up at the mid point using the mid point servo by the microcomputer.

It indicates the setting for jump switching common to DVD and CD.

Types of target move number of jumps.

DVD

1~10 Interval jump 11~500 Multi jump

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501~878 Combination of multi jump and interval jump

879~1756 Traverse seek (short)

1757~ Traverse seek (long)

CD

1~10 Interval jump

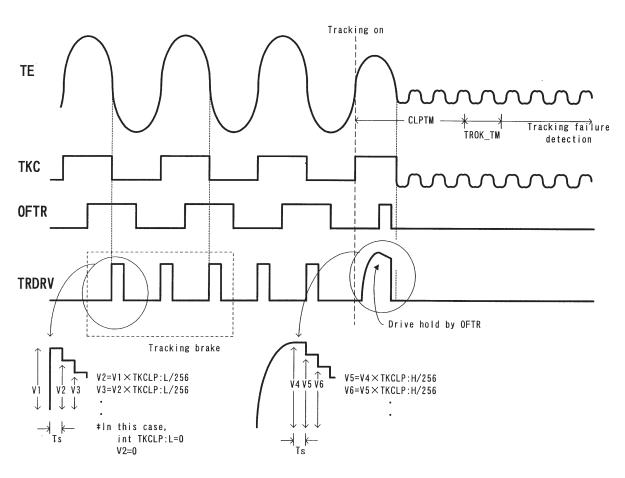
11~400 Multi jump 401~780 Combination of multi jump and interval jump

781~928 Traverse seek (short)

929~ Traverse seek (long)

The waveform of track jump is shown on the next page.

#### **Tracking-on process**

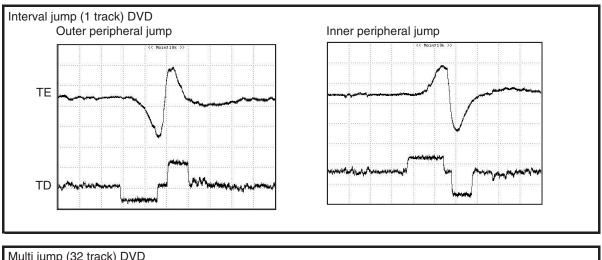


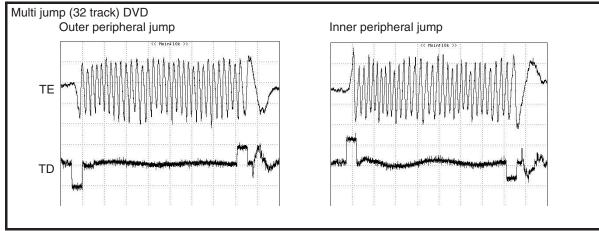
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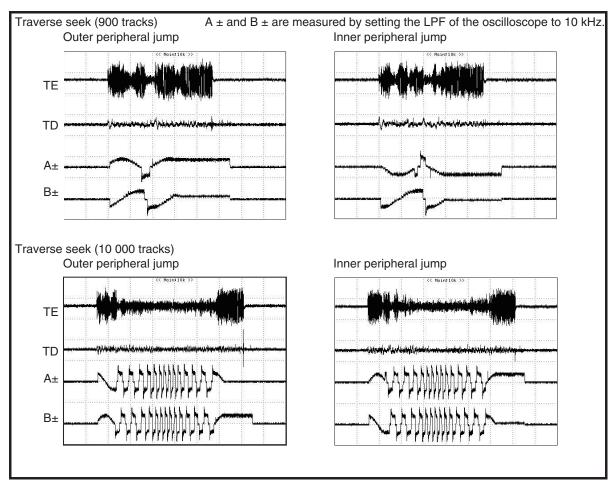
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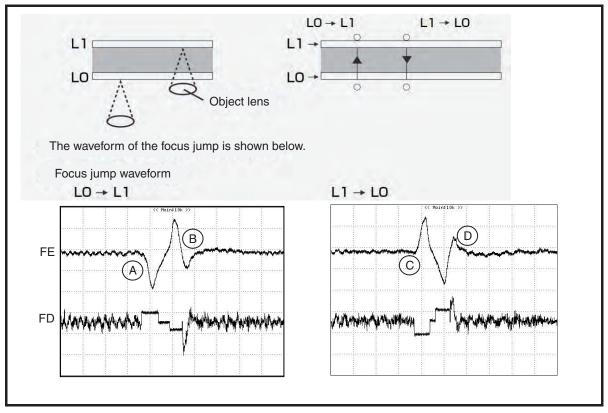
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Focus jump is a function compatible to 2 layers on one side or 2 layers on both sides. Looking from the object lens, the layer close to the lens is called "layer 0" (L0) and the layer away from the lens is called "layer 1" (L1).



The flow of the focus jump is shown below.

- 1. The tracking is opened by the layer being played back.
- 2. A command is issued to execute jump to the target layer.
- 3. The tracking is closed at the layer after the jump and the playback is resumed.

Incidentally, the process when the jump command is issued is as described below.

- The lens is accelerated to the target layer until the FE signal detects the focus jump acceleration end level.
   Acceleration will be ended by force, however, if the time for acceleration timeout has elapsed before detecting the acceleration end level.
- 2. The drive voltage is not output until the FE signal detects the speed reduction start level, and the lens is moved by inertia.
- 3. The lens speed is reduced from detection of the speed reduction start level until detection of the speed reduction end level. Speed reduction will be ended by force, however, if the time for speed reduction timeout has elapsed before detecting the speed reduction end level.

#### 1.3 Auto adjustment function

All circuit adjustments are automated in this system.

Details of each auto adjustment are explained below.

#### 1.3.1 VIN1, VIN2, VIN3, VIN4, VIN5, VIN6, VIN9, VIN10 offset cancel

Each signal from VIN1~6, 9 and 10 output by PU is converted to a digital signal by the AD converter in the servo block. Offset cancel is a function to cancel input offset of the AD converter at the time of power ON.

#### 1.3.2 VCO gain adjustment (VARI adjustment)

It has a function to absorb variation of VCO gain among individual LSI by learning so that auto adjustment is made to maintain the VCO gain at a certain level. VCO is locked against the reference frequency for learning.

And, a frequency control value (FCNT) is read, and VARI register is adjusted so that the read value becomes the same as the target FCNT value.

#### 1.3.3 FE normalization adjustment

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FE signal level measured at the time of focus close is adjusted so that it will become 190LSB at the digital equalizer input stage.

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#### 1.3.4 Tracking balance (TBAL) adjustment

At the time of focus close and tracking open, the lens is oscillated in the track direction and the balanced point where the DC offset becomes zero is searched and adjusted by using the Newton-Raphson method.

#### 1.3.5 Learning of tracking error amplitude

At the time of focus close and tracking open, the lens is oscillated in the track direction and adjusted so that the TE amplitude level becomes 190 LSB at the digital equalizer input stage.

#### 1.3.6 OFTR adjustment

The binary threshold level is adjusted to make the OFTR signal into a binary digit.

#### 1.3.7 RF gain adjustment

The gain setting is adjusted by the VGA value in order to set the gain setting of the RF forming circuit to an optimum one according to the PU output.

#### 1.3.8 Focus balance (FBAL) adjustment

The focus position is adjusted so that the RFENV will be the maximum at the time of focus close  $\cdot$  tracking open and tracking close.

#### 1.3.9 Focus gain adjustment, tracking gain adjustment

At the time of tracking close, a disturbance is entered into the servo loop to adjust to the target gain intersection.

#### 1.3.10 AS normalization adjustment

The AS signal level is measured for the designated number of samples at the time of track closing, and after A/D conversion at the ADSC, it is fine adjusted to become 64 LSB at the digital equalizer input stage.

All auto adjustments can be confirmed by displaying the adjustment result in the test mode. The list of auto adjustment coefficient

State	Coefficient	DVD	CD
	VIN1 offset	06B7~08CD	-
	VIN2 offset	06B7~08CD	-
	VIN3 offset	06B7~08CD	-
	VIN4 offset	06B7~08CD	-
	VIN5 offset	06B7~08CD	06E1~08A3
	VIN6 offset	06B7~08CD	06E1~08A3
	VIN9 offset	-	06B7~08CD
Power ON	VIN10 offset	-	06B7~08CD
	FE MAX	0E48~36CD	13A5~469A
	FE MIN	C933~F1B8	B966~EC5B
	AS MAX	037B~1BD9	0978~3DDC
F close	FE normalization	01DD~05B4	016A~045B
	TE MAX	1518~47E0	0337~381A
	TE MIN	B820~EAE8	C7E6~FCC9
F close (after TBAL)	TE normalization	017C~0320	0230~08AF
	F gain	0100~0400	←
	T gain	0100~0400	←
T close	AS normalization	024C~125F	0168~0399

Note) Coefficient values are indicated in hexadecimals. In all cases, specifications at the production line are described. For discs, TDV-582 is used for DVD and TCD-792 is used for CD.

#### 1.4 CIRC block (MN2DS0016AAUB : IC1501)

The CIRC block includes the digital signal processing function (EFM modulation and error correction) of CD-DA and CD-ROM and the digital servo processing function of the spindle motor.

#### 1.5 DRC block (MN2DS0016AAUB : IC1501)

The digital read channel (DRC) is equipped with A/D converter, digital equalizer (DEQ), Adaptive filter, Viterbi detector, digital PLL circuit, RISC interface and periphery circuits for reading of signal on optical disc.

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#### 1.6 ATAPI I/F(MS5 base model)

#### [Outline]

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The ATAPI interface is a ATAPI protocol control circuit compatible to ATA/ATAPI-5.

The register of the control section can be directly accessed from the system controller, and the data transfer is made via the SODC internal bus.

#### ATAPI interface

\* When viewed from | DVD-LSI.

Signal Name	Bits	I/O	Description
HDD[15:0]	16	I/O	ATAPI data input/output
NCS[1:0]	2	I	ATAPI host chip select
DA[2:0]	3	I	ATAPI host address
NIORD	1	I	ATAPI host data read out
NIOWR	1	I	ATAPI host data write
IORDY	1	0	ATAPI host ready output
DMARQ	1	0	DMA request to ATAPI host
NDMACK	1	I	DMA response from ATAPI host
INTRQ	1	0	Interrupt request to ATAPI host
NDASP]	1	0	ATAPI drive information
NPDIAG	1	0	ATAPI slave ⋅ master diagnosis
NRESET	1	I	ATAPI host hard reset
MASTER	1	I	ATAPI slave ⋅ master selection

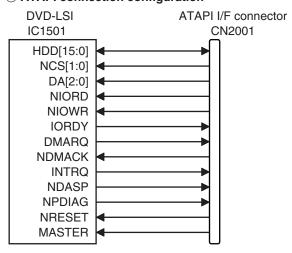
#### ATAPI specifications

• Compatible transfer mode

PIO	mode 0 to 4
Single word DMA	mode 0 to 2
Multi word DMA	mode 0 to 2
Ultra DMA	mode 0 to 4

- 64 Byte data FIFO for host I/F is built-in.
- Auto capturing function of ATAPI command packet is built-in.
- Master slave compatible

#### • ATAPI connection configuration



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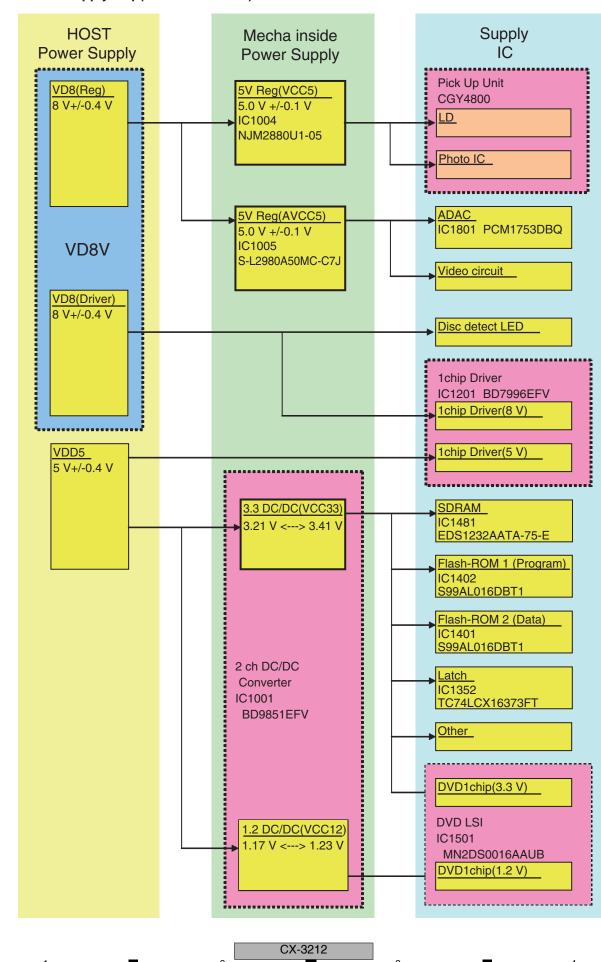
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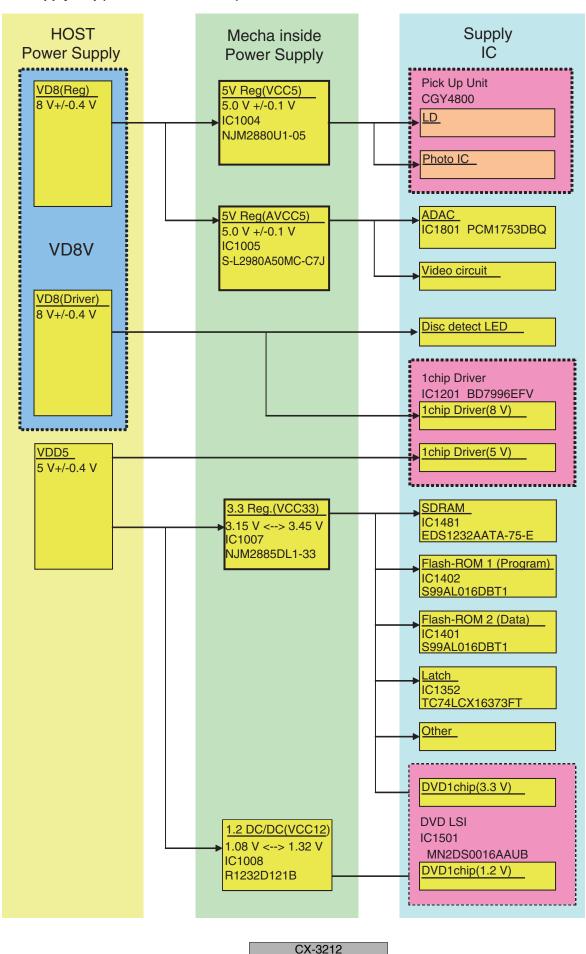
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#### 1.7 Power Supply Map(MS5 base model)



#### Power Supply Map(MS5AV code2 model)

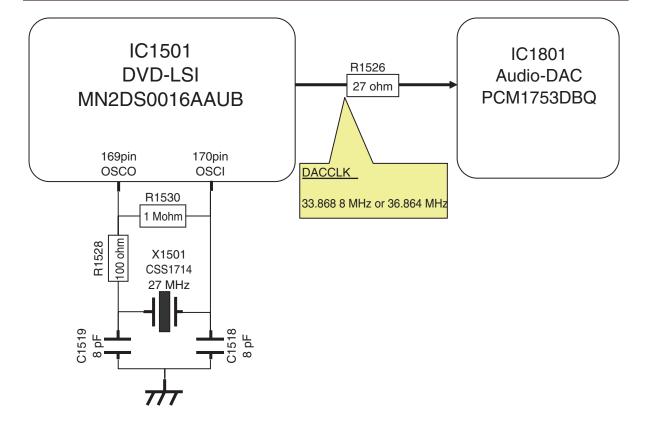


#### 1.8 Clock circuit

#### [Outline

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By connecting a 27 MHz crystal oscillator to DVD-LSI (IC1501), DACCLK for externally connected Audio-DAC is formed and supplied by the clock generator inside the DVD-LSI in addition to the clock used inside the LSI.



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#### 1.9 Audio circuit

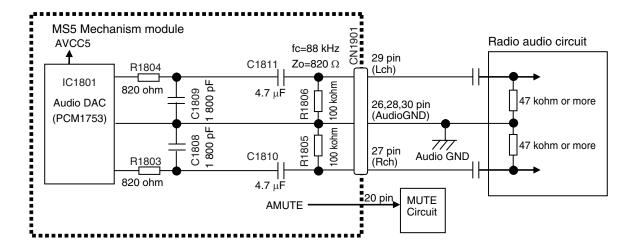
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#### [Outline]

- 1 Analog audio signal
  - Serial 3 line digital output + DACCLK (audio clock) output from DVD-LSI (IC1501) are converted to analog audio signal by Audio-DAC (IC1801), and are output from HOST IF connector (CN1901). Furthermore, analog MUTE signal is also output from DVD-LSI (IC1501) via HOST IF connector (CN1901) simultaneously.
- ② Digital audio signal (IEC60958/IEC61937)
  Digital audio signal (IEC60958/IEC61937), output from DVD-LSI (IC1501), is output via Multi-ch/Ripping
  IF connector (CN1851).
- ③ Digital multi-channel audio serial signal Serial 6 line output from DVD-LSI (IC1501) is output via Multi-ch/Ripping IF connector (CN1851).
- 4 CD-DA ripping signal
  Serial 3 line signal output + SUB-CODE signal, output from DVD-LSI (IC1501), are output in 4 times speed via Multi-ch/Ripping IF connector (CN1851).

#### [Analog audio signal]

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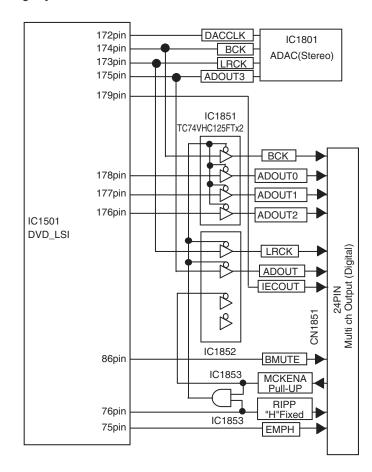
[Digital audio signal]

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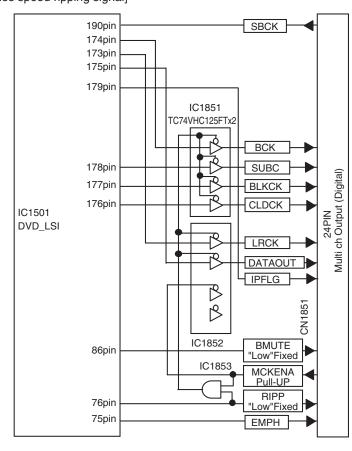
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#### [CD-DA 4 times speed ripping signal]



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#### 1.10 Video circuit

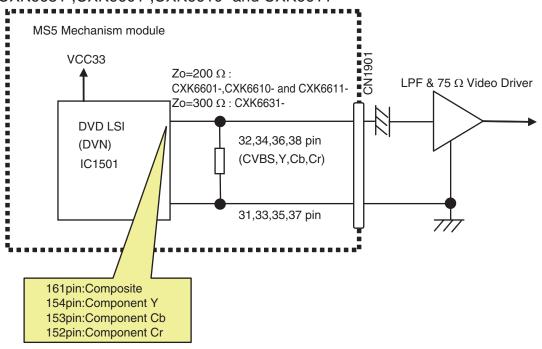
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#### [Outline]

Composite signal and component signal are output from DVD-LSI (IC1501), and output from HOST IF (CN1901). Incidentally, the buffer circuit of MS5AVcode2 model ->

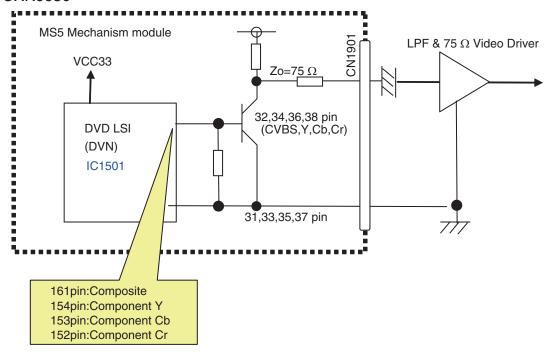
CXK6631-,CXK6601-,CXK6610- and CXK6611-: No Mount, and the output signal from DVD-LSI is output as is. CXK6630-: The buffer circuit is installed.

#### CXK6631-, CXK6601-, CXK6610- and CXK6611-



#### CXK6630-

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#### 1.11 SDRAM I/F

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#### [Outline]

It is a memory for realizing the AV decoding function of DVD-LSI (IC1501). It is used for various purposes such as buffering of stream data before decoding, working area for decoding, and storing of AV data or output data after decoding.

#### SDRAM interface

#### \* When viewed from | DVD-LSI

Signal Name	Bits	I/O	Description
MDQ[31:0]	32	I/O	Data bus of external SDRAM
MA[11:0]	12	0	SDRAM address
BA[1:0]	2	0	SDRAM bank address
NRAS	1	0	RAS signal of SDRAM
NCAS	1	0	CAS signal of SDRAM
NEW	1	0	Write enable signal of SDRAM
NCS	1	0	Chip select signal of SDRAM
DQM[0]	1	0	Mask signal for writing lower level byte of the lower 2 bytes in SDRAM
DQM[1]	1	0	Mask signal for writing higher level byte of the lower 2 bytes in SDRAM
DQM[2]	1	0	Mask signal for writing lower level byte of the higher level 2 bytes in SDRAM
DQM[3]	1	0	Mask signal for writing higher level byte of the higher 2 bytes in SDRAM
MCK	1	0	Clock input to SDRAM
MCKI	1	I	Clock input for data input from SDRAM

#### SDRAM specifications

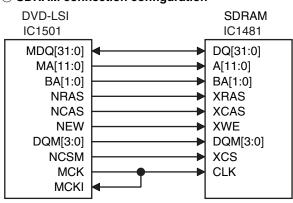
• Data bus width: 32 bit

• Operating frequency: 121.5 MHz

• CAS latency=3

- 8 word burst transfer
- Manual precharge
- CAS before RAS refresh (Auto refresh)

#### SDRAM connection configuration

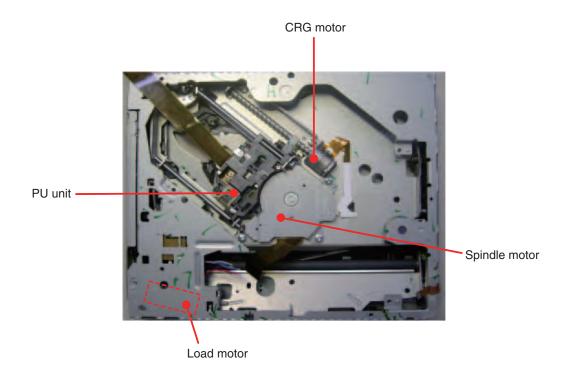


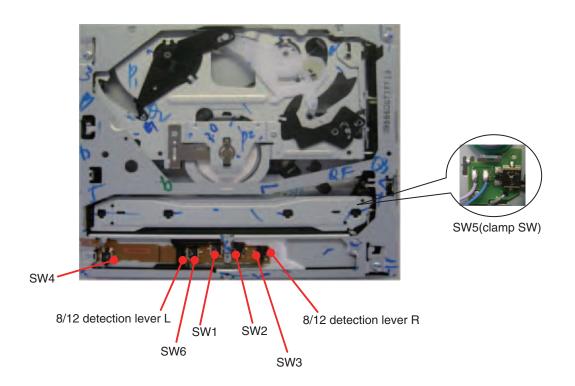
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# 2. MECHANISM DESCRIPTIONS

#### Construction





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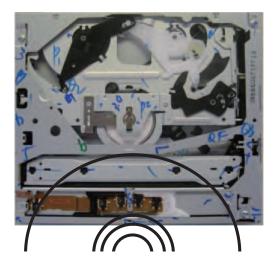
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# 2.1 Disc loading operation

- 1. When the disc is loaded, 8/12 detection lever R · L will slide, either SW1 or SW2 will be ON→OFF, and the loading motor will start.
- 2. In the case of a 12 cm disc, the disc is transported and SW3 becomes OFF and SW4 becomes ON, and the microcomputer judges as a 12 cm disc.



3. In the case of an 8 cm disc, even if the disc is transported, the SW3 OFF and SW4 ON state will not be realized, and the clamping motion will be taken. The microcomputer will judge as an 8 cm disc.





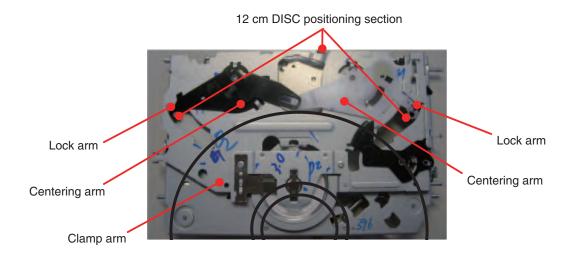
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## 2.2 Disc centering mechanism

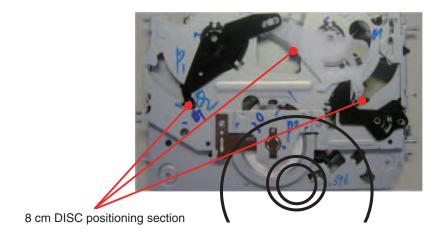
1. In the case of a 12 cm disc, the centering arm R · L will open by the disc being transported and both the lock arm R · L being pushed. Furthermore, the disc will be centered by the stopper of either the clamp arm or the centering arm R and stopped, and the clamping motion will be taken.



2. In the case of an 8 cm disc, if a disc is inserted being shifted to the left or the right, the disc will first hit the lock arm R or L.

As the lock arm R and L are coupled via the centering arm R and L and the lock will not be released unless both are pushed, the disc will be restricted by the fixed lock arm and centered.

The disc pushes out the detection arm while being centered, the disc stops at a position where the motion of the detection arm is completed, and the clamping motion will be taken.



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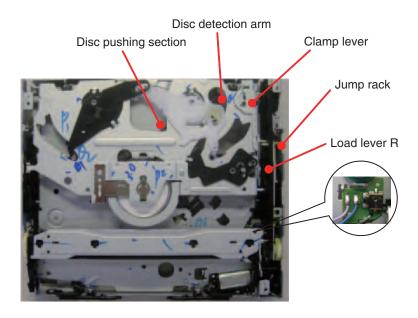
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# 2.3 Clamping operation

1. When a disc is loaded, the clamp lever will be driven by the disc detection arm being pushed by an 8 cm or a 12 cm disc. By engagement of the jump rack and the lever driving gear, the disc clamping motion will start.

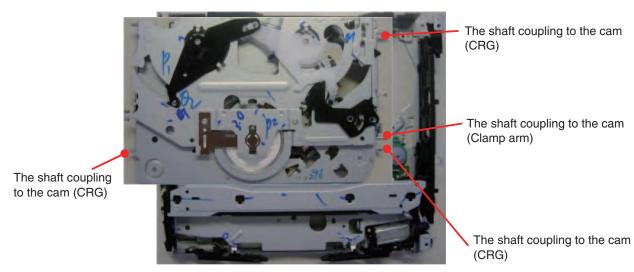


2. When the load lever R pushed by the jump rack moves to the front side of the mechanism, the roller shaft restricted by the cam of the load lever R will move downward.

And the roller shaft is also restricted by the cam of the cam ring.

The power of the roller shaft is transferred to the load lever L via the cam ring, and the load lever L will move to the front side of the mechanism.

The coupling of the load cam attached to each load lever, three shafts of the CRG chassis unit and the shaft of the clamp arm will be released, and the clamping motion will be completed at a position where the switch pushing section of the load lever R turns the clamp SW to ON.



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# 2.4 Ejection operation

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- 1. The loading motor reverse rotates, and the ejection motion will start.
- 2. In the case of a 12 cm disc, the ejection will be completed by OFF→ON→OFF of SW4.
- 3. In the case of an 8 cm disc, the ejection will be completed when both SW3 and SW6 become ON after either SW3 or SW6 is ON→OFF.

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# 3. DISASSEMBLY

#### How to hold the mechanism section (Fig 1)

- 1. Hold the main frame and the top frame.
- 2. As the mechanical strength of the front part of the top frame is not strong, do not hold this part.
- 3. Do not touch the switches provided on the top face of the mechanism section.
- 4. Be careful not to pull the flexible PCB on the side face.

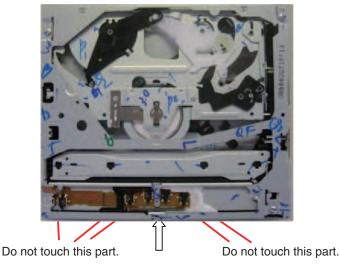


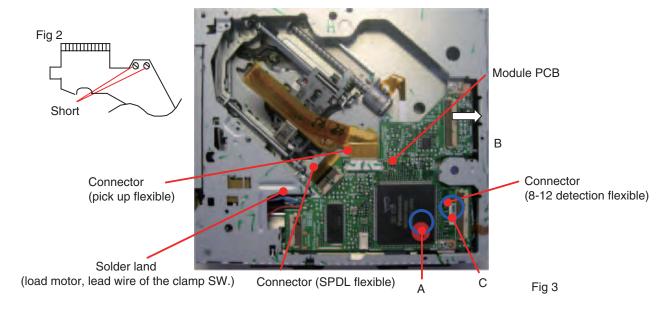
Fig 1

Do not touch this part.

#### How to remove the module PCB (Fig 2, Fig 3)

- 1. Put the mechanism section in locked state (disc load standby position).
- 2. Hold the mechanism module with its top face down.
- 3. Make the lands at 2 locations on the pick up flexible PCB short.
- 4. Disconnect the connectors of the pick up flexible PCB and the SPDL flexible PCB. (Be sure to disconnect the connectors as the flexible PCB will be damaged if the PCB is removed without removing the flexible PCB.)
- 5. Remove the solder joint of the lead wire of the load motor and the clamp SW.
- 6. Remove the two screws, and then remove the module PCB.

  (Lift up point A slightly and remove it toward B direction. Be careful as the point C is connected with a flexible PCB.)
- 7. Disconnect the connector of the 8-12 detection flexible PCB from the PCB.



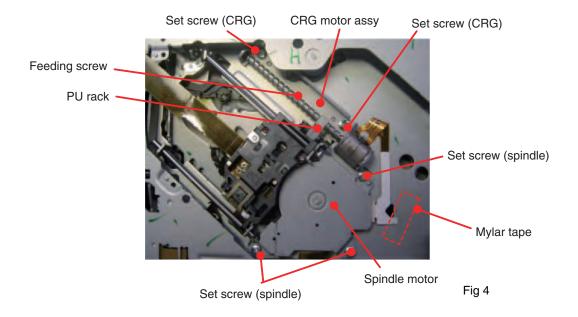
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#### How to remove the spindle motor (Fig 4)

- 1. Remove the module PCB according to the instructions in "How to remove the module PCB".
- 2. Remove the flexible PCB of the CRG motor from the connector of the spindle motor.
- 3. Remove the three motor mounting screws. When mounting or removing the motor, be careful not to deform the CRG chassis.

#### How to remove the CRG motor assy (Fig 4)

- 1. Remove the module PCB according to the instructions in "How to remove the module PCB".
- 2. Remove the Mylar tape.
- 3. Remove the flexible PCB of the CRG motor from the connector of the spindle motor.
- 4. Remove the two screws, and then remove the CRG motor assy.



#### How to remove the upper frame assy (Fig 5)

- 1. Remove the module PCB according to the instructions in "How to remove the module PCB".
- 2. Remove the vibration-proof spring (right front).
- 3. Remove the four screws, and then remove the upper frame assy.

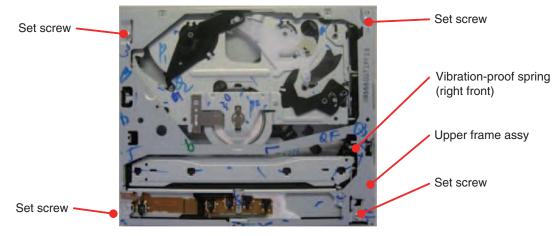


Fig 5

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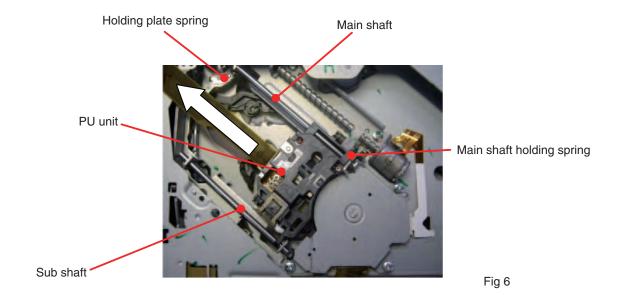
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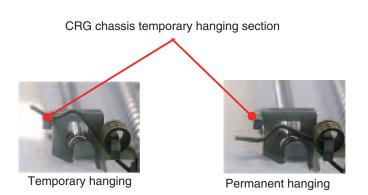
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#### ● How to remove the PU unit (Fig 6)

- 1. Remove the module PCB according to the instructions in "How to remove the module PCB".
- 2. Hang the main shaft holding spring to the CRG chassis temporary hanger.
- 3. Remove the CRG motor assy according to the instructions in "How to remove the CRG motor assy".
- 4. Remove the holding plate spring of the main shaft.
- 5. While lifting up the tip of the pick up rack, slide the main shaft, and remove the PU unit.

(Note) When mounting the PU unit again, make sure to do the adjustments of the devices mounted thereon according to the descriptions of the service manual. Furthermore, make sure to hang the main shaft holding spring permanently.

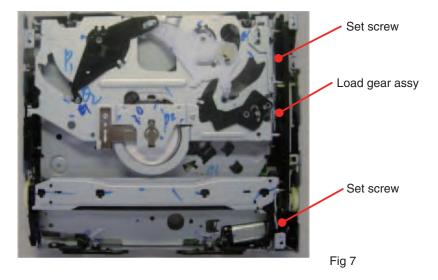




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#### How to remove the load gear assy (Fig 7)

- 1. Remove the module PCB according to the instructions in "How to remove the module PCB".
- 2. Remove the upper frame assy according to the instructions in "How to remove the upper frame assy".
- 3. Remove the two screws, and then remove the load gear assy.
- 4. Remove the jump rack and the rack attached spring.



#### How to make the empty clamp state (motor driven empty clamp) (Fig 8)

- 1. While driving the motor in the clamping direction, pull the clamp lever toward you.
- 2. Even if the clamp lever has pushed the jump rack putting it in the clamped state, continue pulling the clamp lever toward you lightly until it is stopped. It should be noted that the ejection will not work if the bar ring of the clamp lever is positioned at the center of the hook shape. (Fig 9)
- 3. When the clamping motion is finished, stop the motion before the convex shape of the jump rack touches the load lever R. (Fig 10)

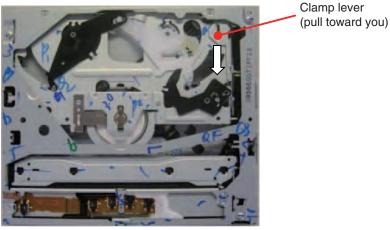


Fig 8

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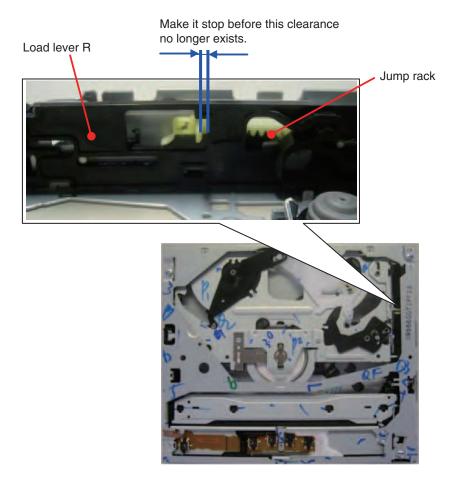
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Bar ring of the clamp lever

Clamp spring

Fig 9

Make sure that the bar ring of the clamp lever does not get inside the clamp spring.



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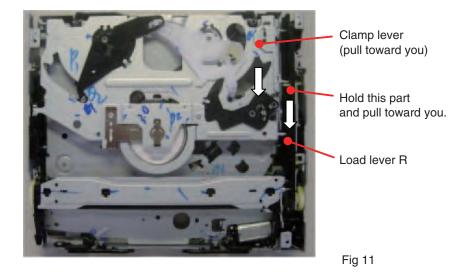
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Fig 10

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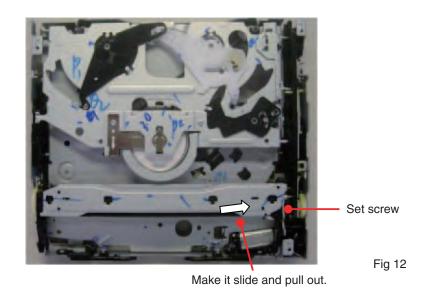
#### ■ How to make the empty clamp state (manual empty clamp) (Fig 11)

- 1. Remove the module PCB according to the instructions in "How to remove the module PCB".
- 2. Remove the upper frame assy according to the instructions in "How to remove the upper frame assy".
- 3. Remove the load gear assy according to the description in "How to remove the load gear assy".
- 4. While pulling the clamp lever toward you, pull the slip stopper of the load lever R, and make it clamp.



#### How to remove the load motor assy (Fig 12)

- 1. Remove the module PCB according to the instructions in "How to remove the module PCB".
- 2. Remove the upper frame assy according to the instructions in "How to remove the upper frame assy".
- 3. Remove the load gear assy according to the description in "How to remove the load gear assy".
- 4. Make the empty clamp state according to the description in "How to make the empty clamp state (manual empty clamp)".
- 5. Remove the screw and then pull out the load motor assy from the side.



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#### ● How to remove the CRG assy (Fig 13)

- 1. Make the empty clamp state according to the description in "How to make the empty clamp state (motor driven empty clamp)".
- 2. Remove the module PCB according to the instructions in "How to remove the module PCB".
- 3. Remove the upper frame assy according to the instructions in "How to remove the upper frame assy".
- 4. Remove the three vibration-proof springs.
- 5. Remove the CRG assy by lifting it up until the shaft slips out of the damper.

#### How to remove the disc guide assy (Fig 13)

- 1. Make the empty clamp state according to the description in "How to make the empty clamp state (motor driven empty clamp)".
- 2. Remove the module PCB according to the instructions in "How to remove the module PCB".
- 3. Remove the upper frame ASSY according to the instructions in "How to remove the upper frame assy".
- 4. Remove the two screws, and then remove the disc guide by lifting it up and placing it at 45° position and further sliding it to the left.

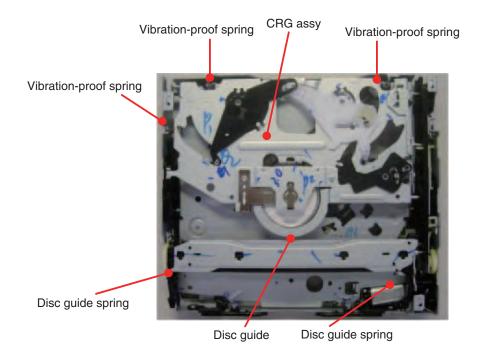


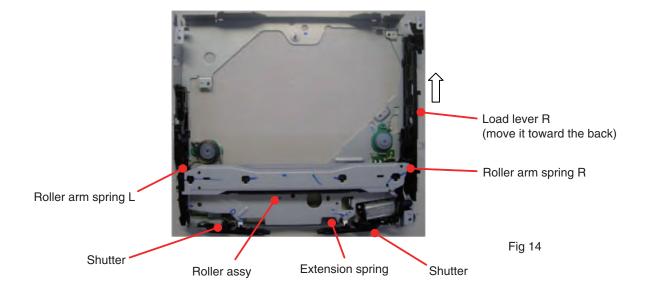
Fig 13

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#### ■ How to remove the roller assy (Fig 14)

- 1. Remove the module PCB according to the instructions in "How to remove the module PCB".
- 2. Remove the upper frame assy according to the instructions in "How to remove the upper frame assy".
- 3. Remove the extension spring.
- 4. Remove the load gear assy according to the description in "How to remove the load gear assy".
- 5. Make the empty clamp state according to the description in "How to make the empty clamp state (manual empty clamp)".
- 6. Remove the disc guide assy according to the description in "How to remove the disc guide assy".
- 7. Remove the CRG assy according to the description 4 and 5 in "How to remove the CRG assy".
- 8. Push the slip stopper of load lever R toward the back, and move it until the end.
- 9. Remove the load motor assy according to the description in "How to remove the load motor assy".
- 10. Remove the roller arm spring R L.
  - As for the roller arm spring R, remove only the tip hanging on the load lever R.
- 11. Remove the extension spring, and then remove the roller assy by lifting it up to the highest position and sliding it toward the right.

(Note) Be careful not to deform the shutter when removing the roller assy.



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#### How to remove the damper (Fig 15)

- 1. Make the empty clamp state according to the description in "How to make the empty clamp state (manual empty clamp)".
- 2. Remove the module PCB according to the instructions in "How to remove the module PCB".
- 3. Remove the upper frame assy according to the instructions in "How to remove the upper frame assy".
- 4. Remove the three vibration-proof springs.
- 5. Remove the CRG assy according to the description 4 and 5 in "How to remove the CRG assy".
- 6.1 Release the clinch by holding the A section of the damper attached to the main frame using a pair of pliers and lifting it up toward B direction.
  - (As there will be a gap made at section C, remove the damper.)
- 6.2 Insert a screwdriver into section D, release the clinch by lifting up a metal plate on the other side, and remove the damper.
- 7.1 Remove the CRG motor assy according to the description 3 and 4 in "How to remove the CRG motor assy".
- 7.2 Remove the damper.

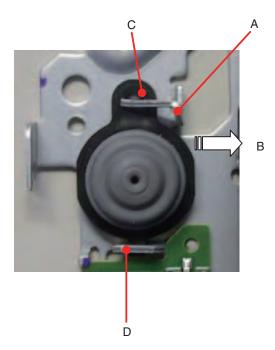


Fig 15

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